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ABSTRACT

This coloring book contains pictures of more than 79 fish and shellfish found on the Atlantic Coast. Captions give information on habitats, behavior, or commercial uses of the species pictured. Indexes of both common and scientific names are given. (BB)

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Discover the Atlantic Ocean

An exciting coloring book of fish and shellfish.

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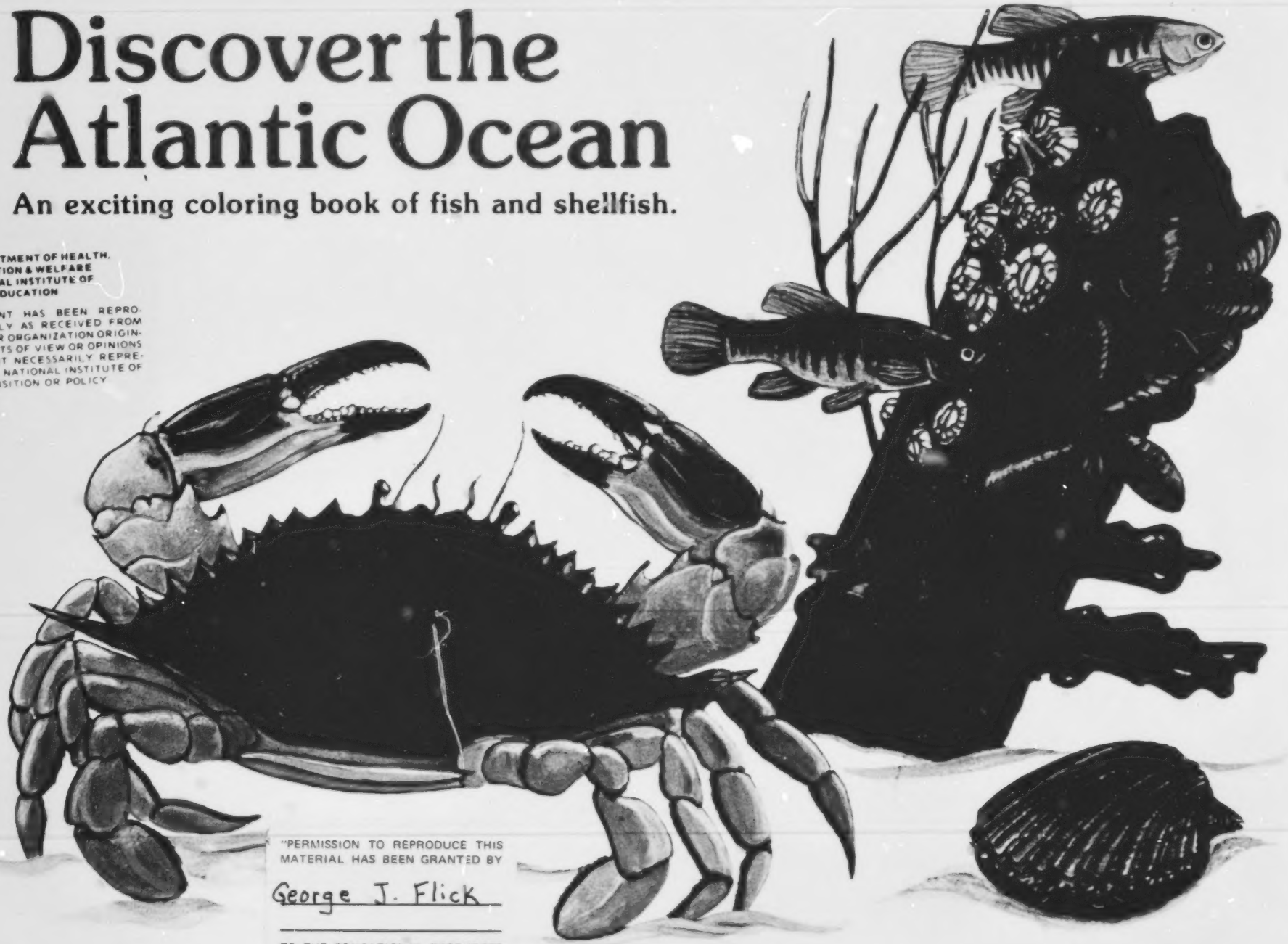

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Discover the Atlantic Ocean

An exciting coloring book of fish and shellfish.

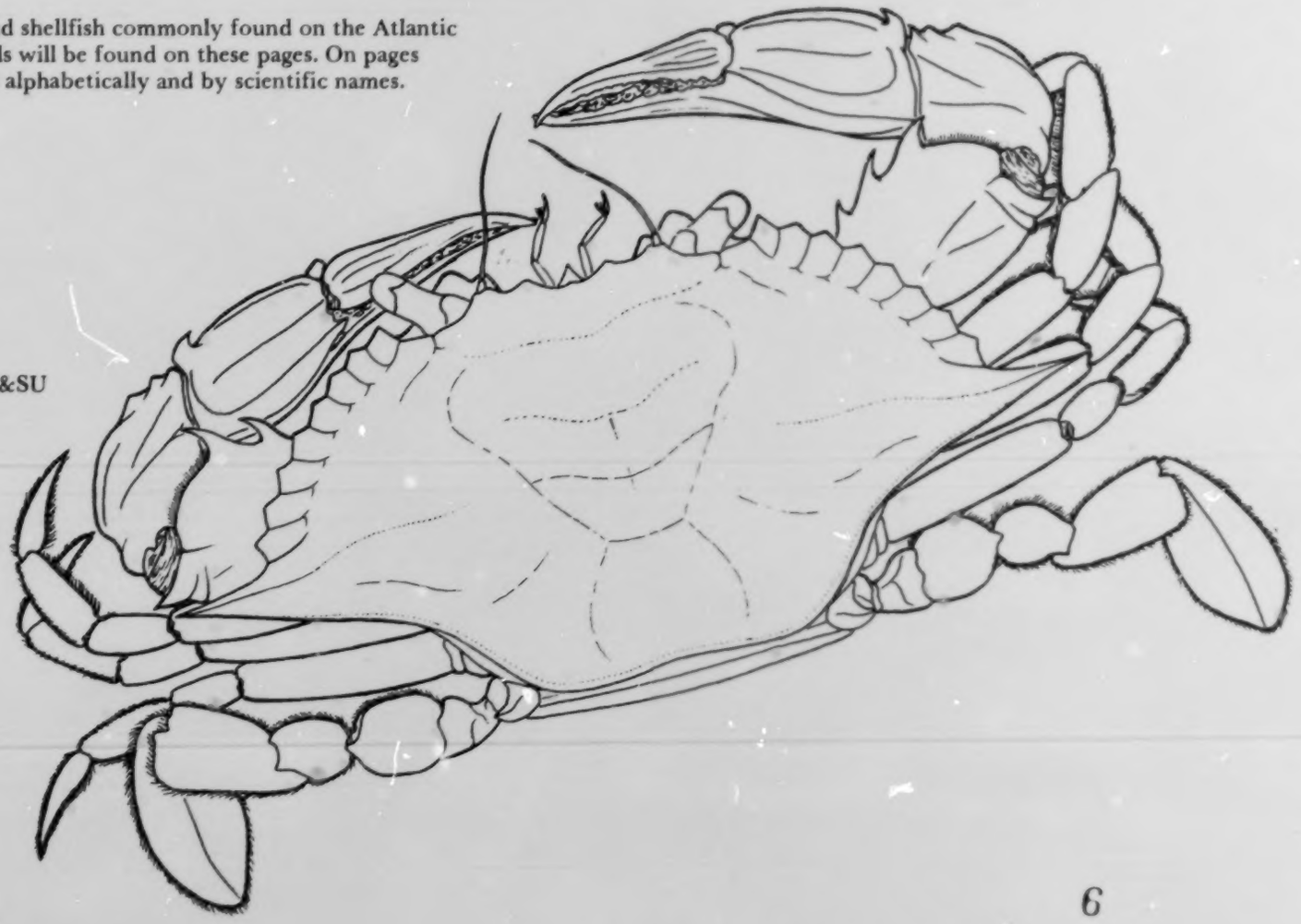
An underwater exploration of fish and shellfish commonly found on the Atlantic Coast. More than seventy-nine animals will be found on these pages. On pages 33-36 are listed the names of animals alphabetically and by scientific names.

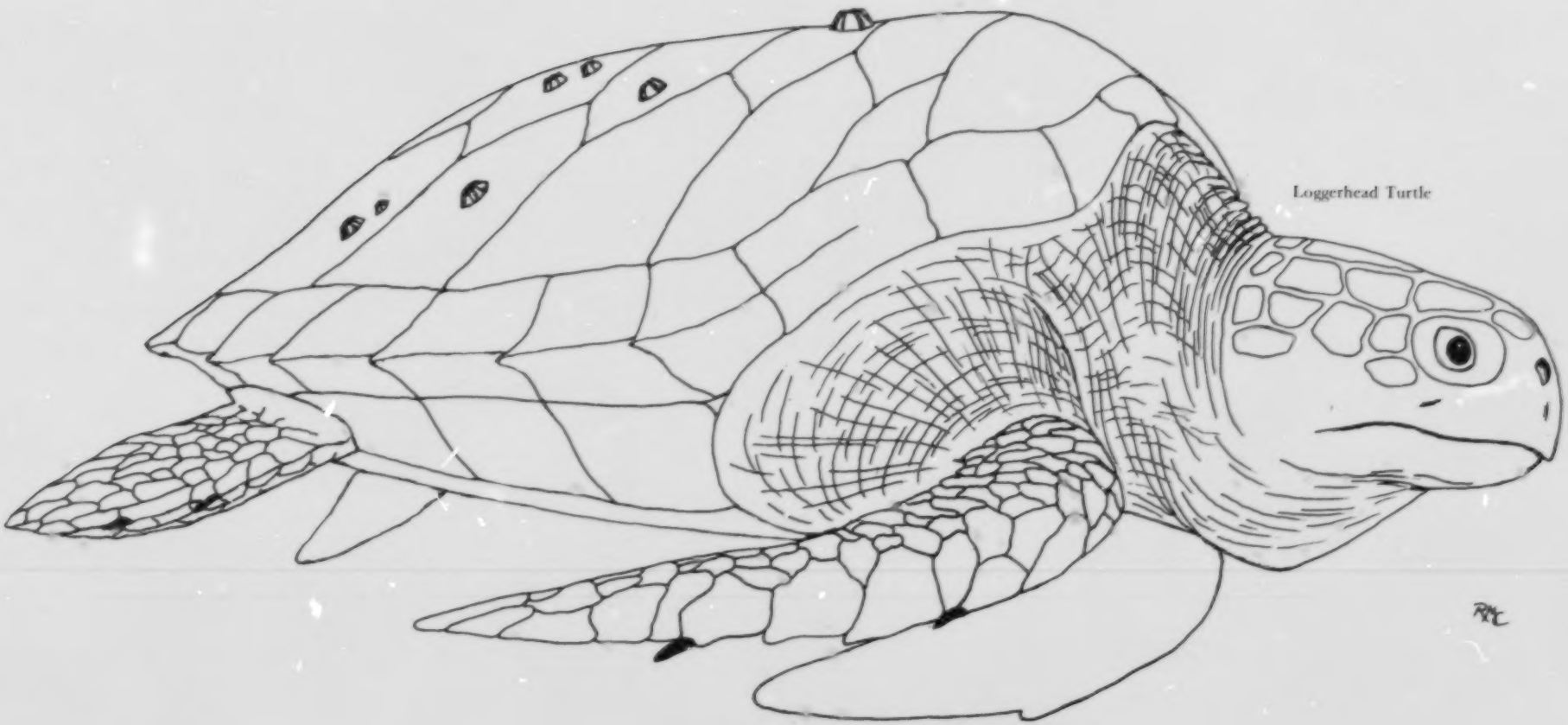
Illustrations by: Ron Clayton

Text by: George J. Flick

Design by: Janice Ford

Sea Grant Extension Division VPI&SU

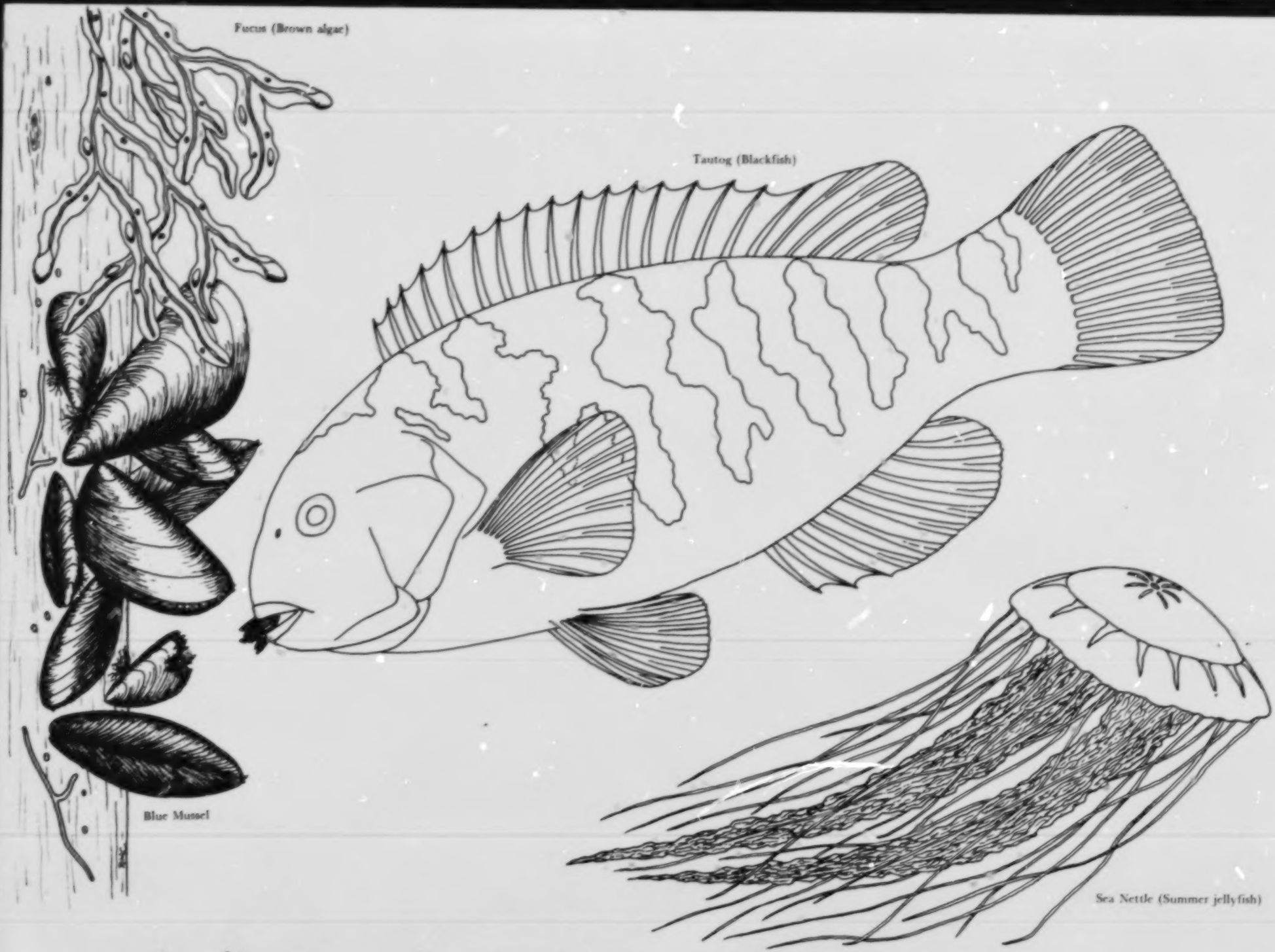




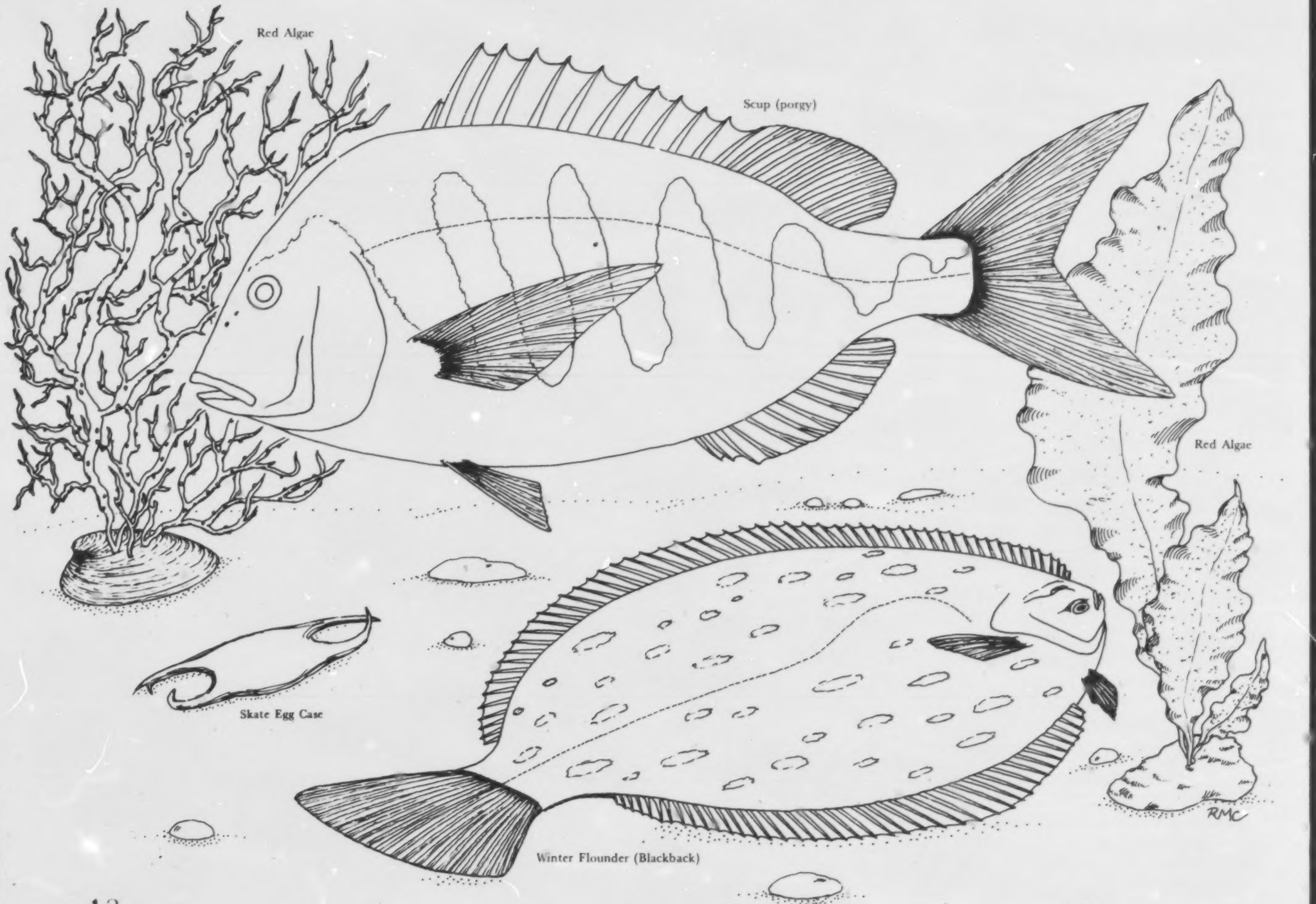
Loggerhead Turtle

1 Some turtles spend their entire lives in the water.

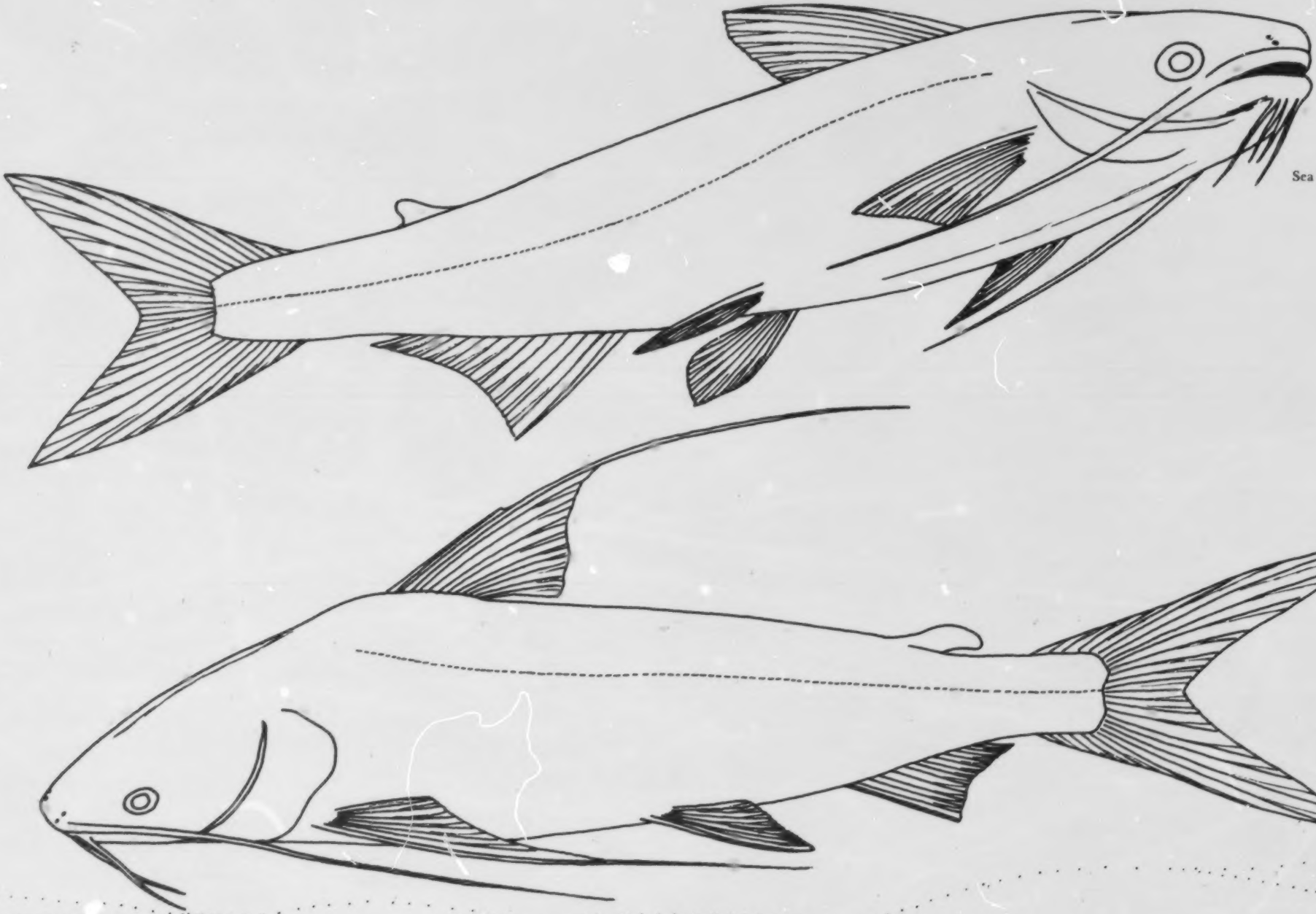
2 These sea trouts are really not trouts but weakfishes.



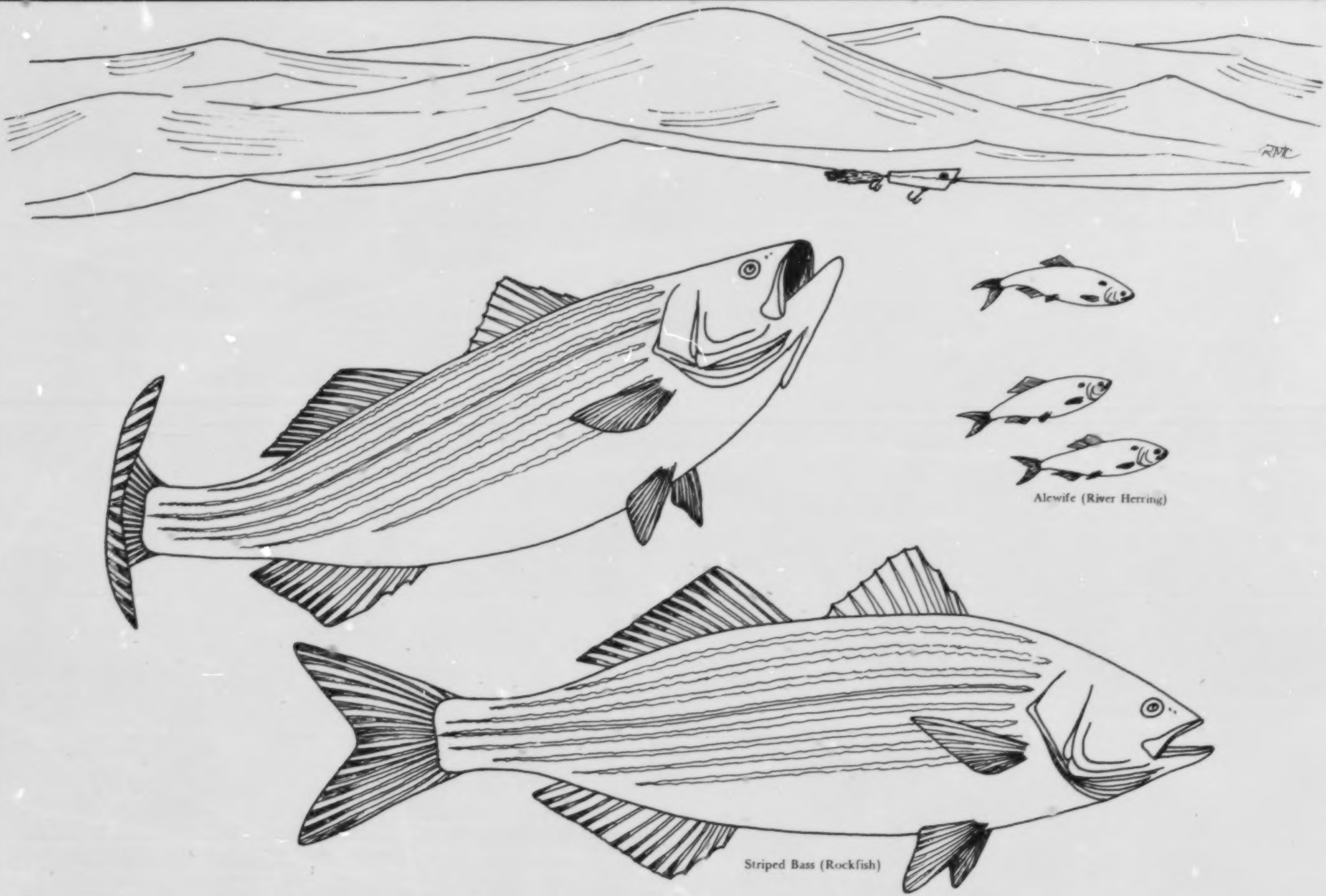
3 Tautog eating blue mussels from piling.



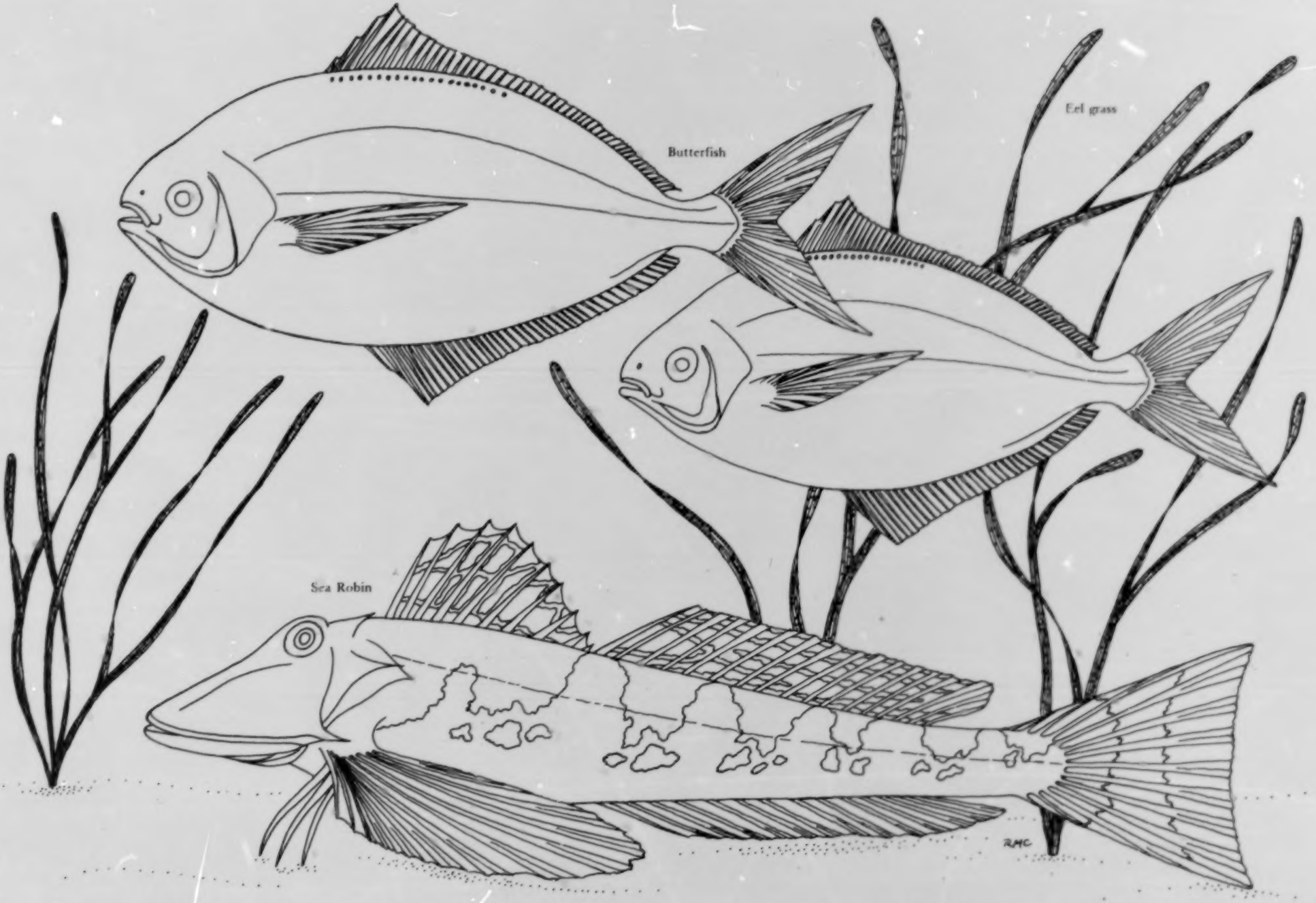
4 Flounders are bottom-dwelling and found in shallow and deep water. The porgy is very abundant in middle Atlantic waters and is found in large schools.



5 Ocean catfish are found from Cape Cod to Mexico and are very common in the bays and harbors of our southern states.

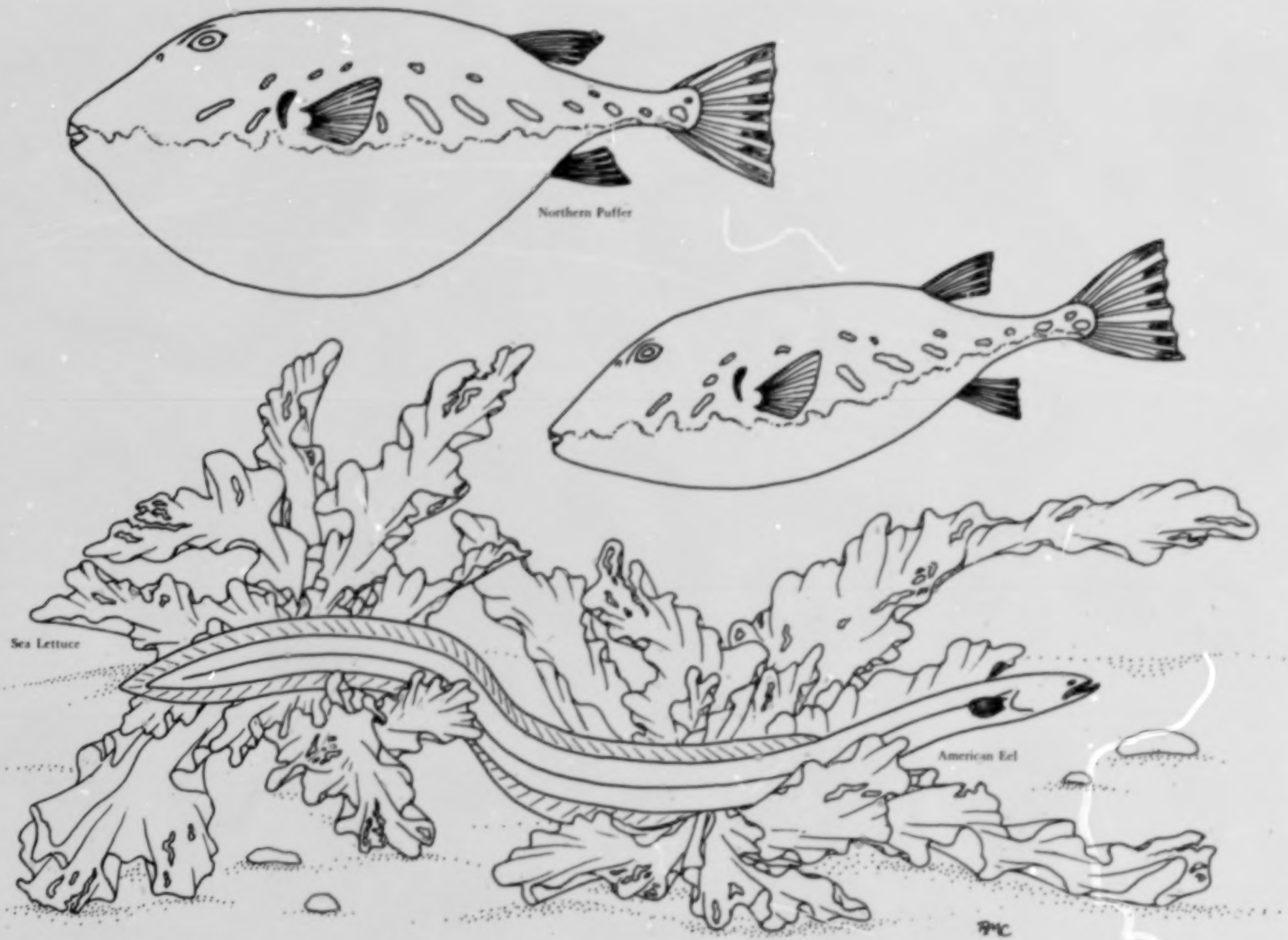


6 Rockfish grow to a length over 6 feet and are a major marine game fish. Scales of alewife are a source of "pearl essence" used in jewelry.

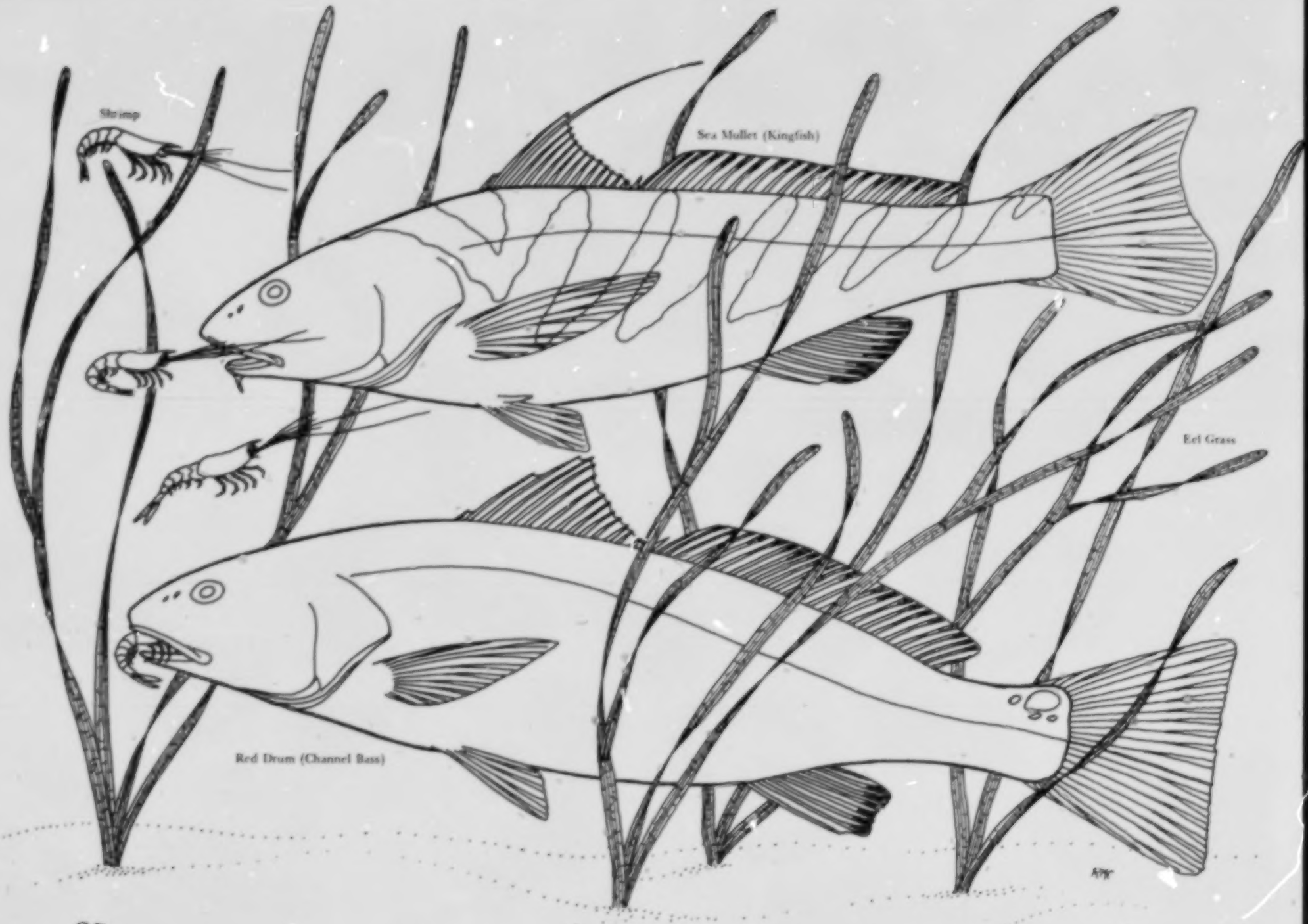


7 Young butterfish sometimes swim among the stinging tentacles of jellyfish for protection from larger fishes. Sea robins live inshore in summer but offshore in winter and often "walk" along the bottom.

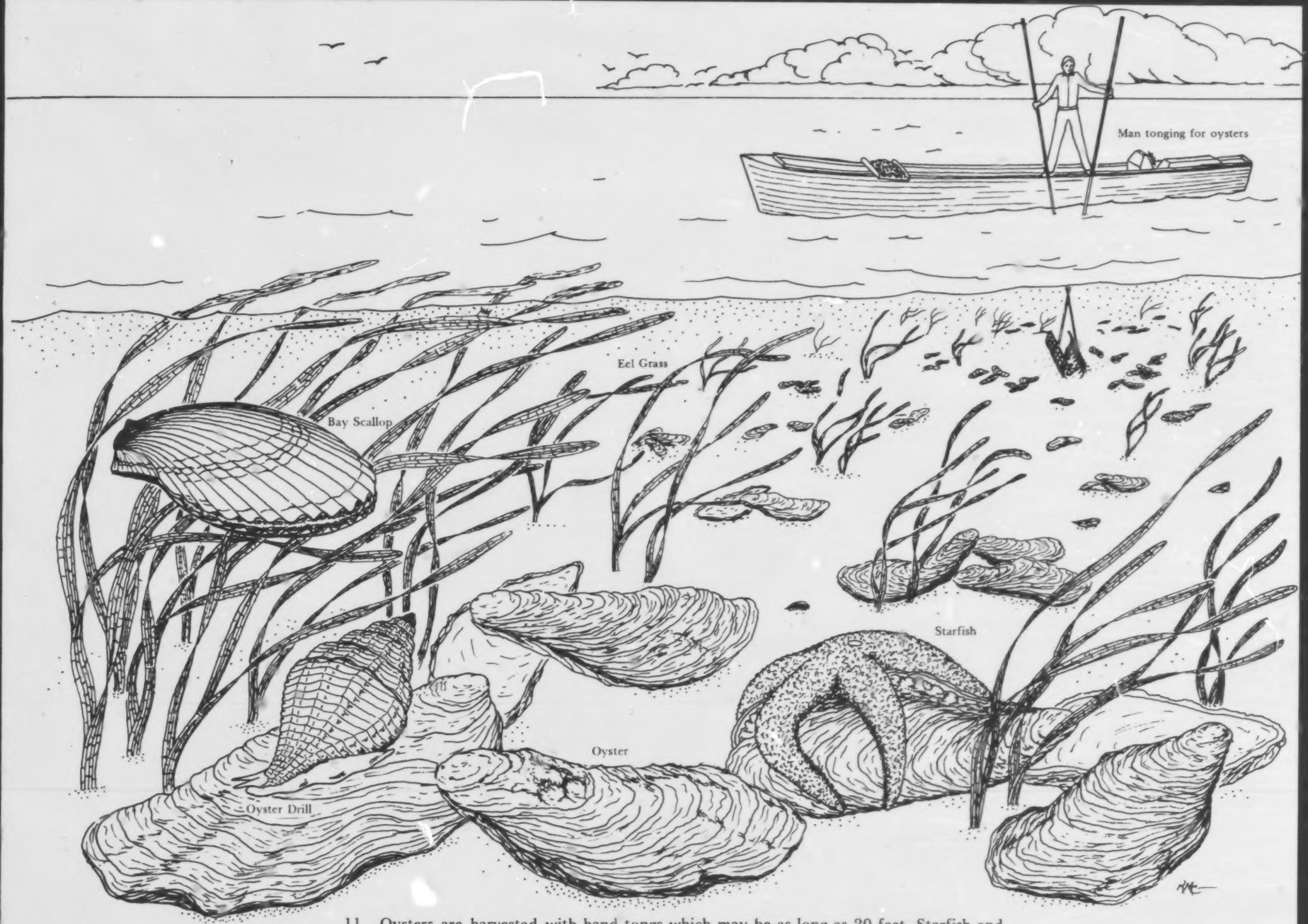
8 Swordfish use their sword to kill or stun their prey before eating them. Albacore occur in large schools in warmer waters



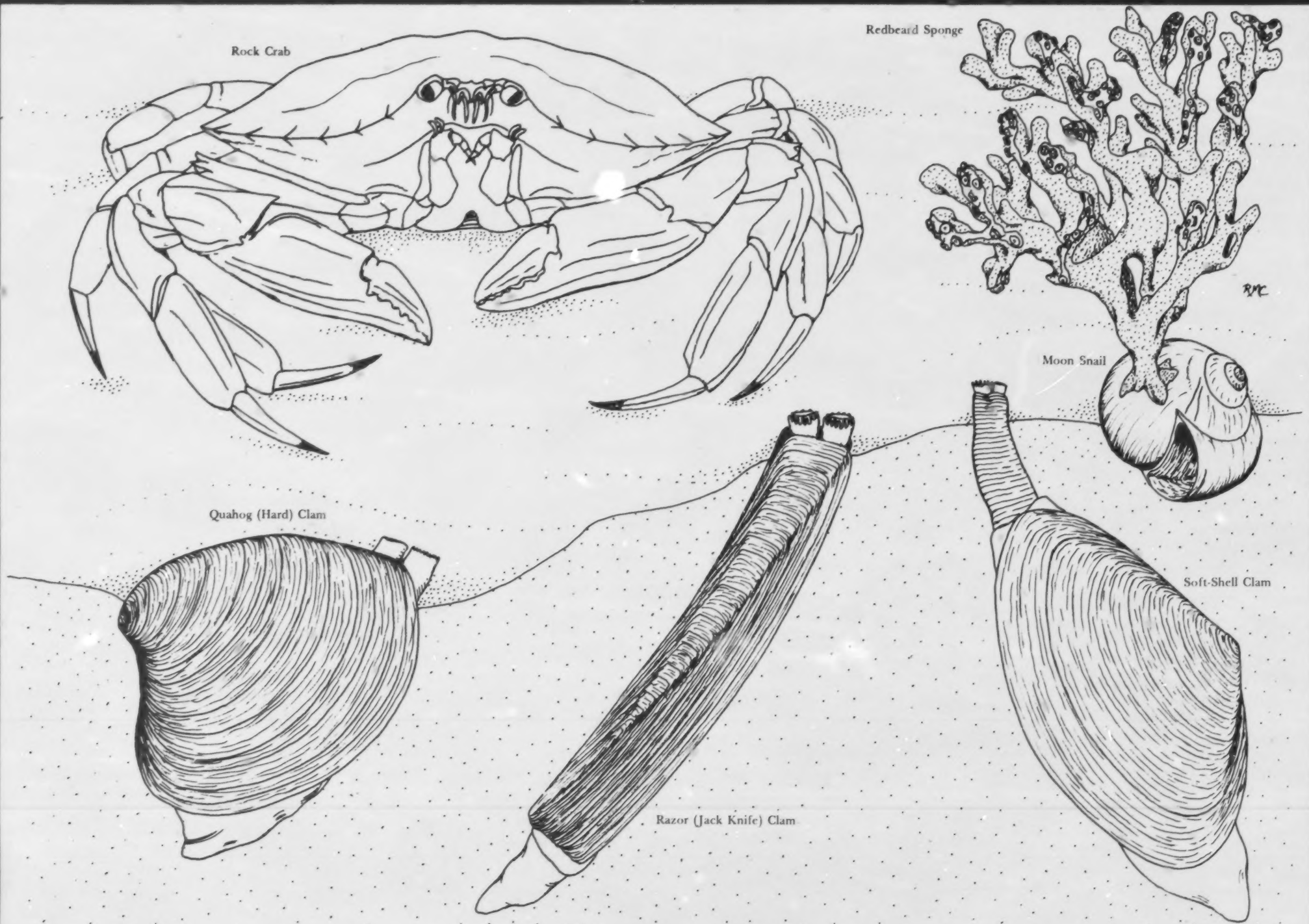
9 Puffers inflate when frightened by gulping water or air. Eels grow to a length of 4 feet and live from 5 to 20 years.



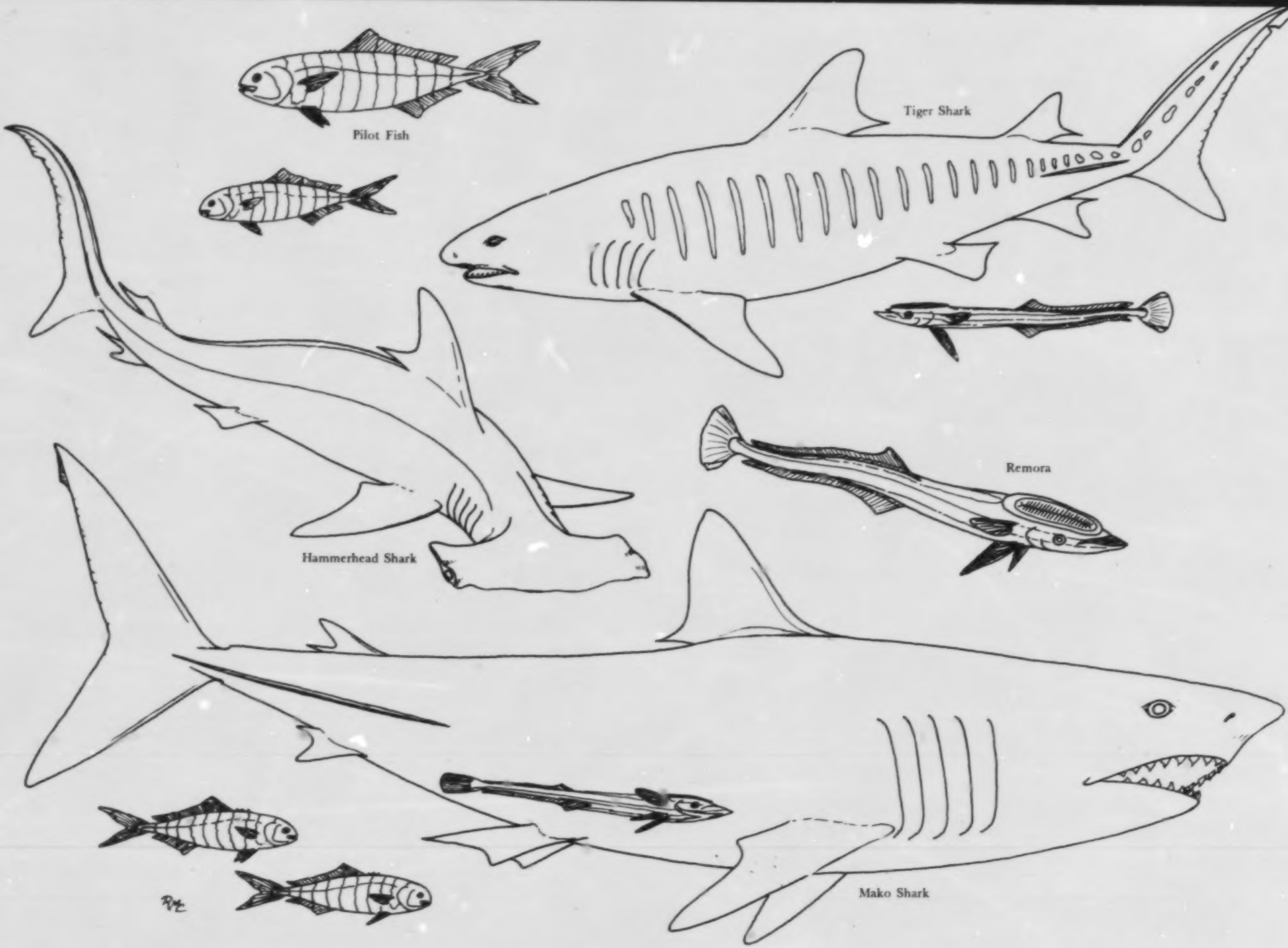
10 Red drum are important food fish when small, but may grow to 75 pounds. Sea mullet is another good food and game fish caught by surf anglers.



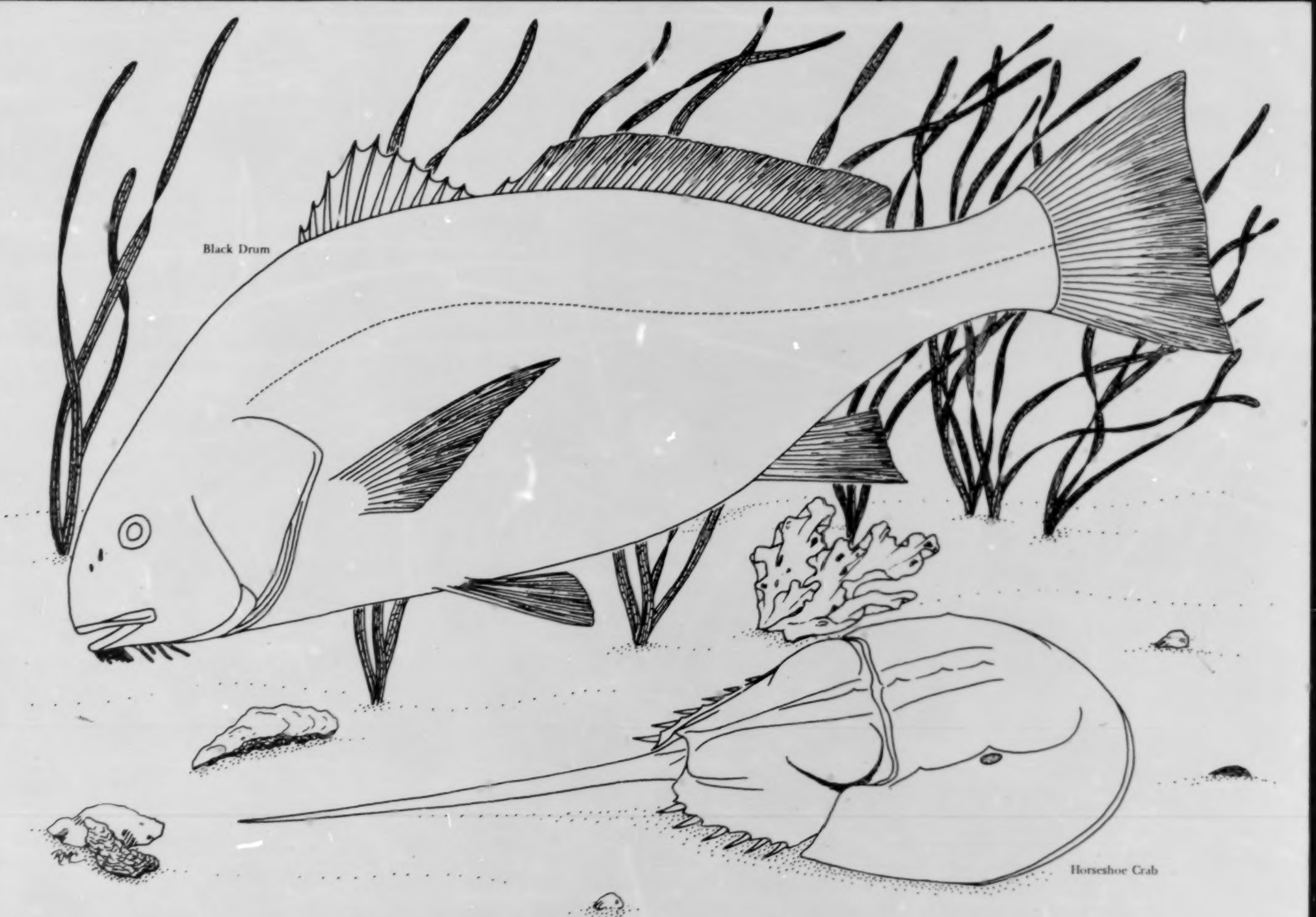
11 Oysters are harvested with hand tongs which may be as long as 20 feet. Starfish and oyster drills eat large quantities of oysters.



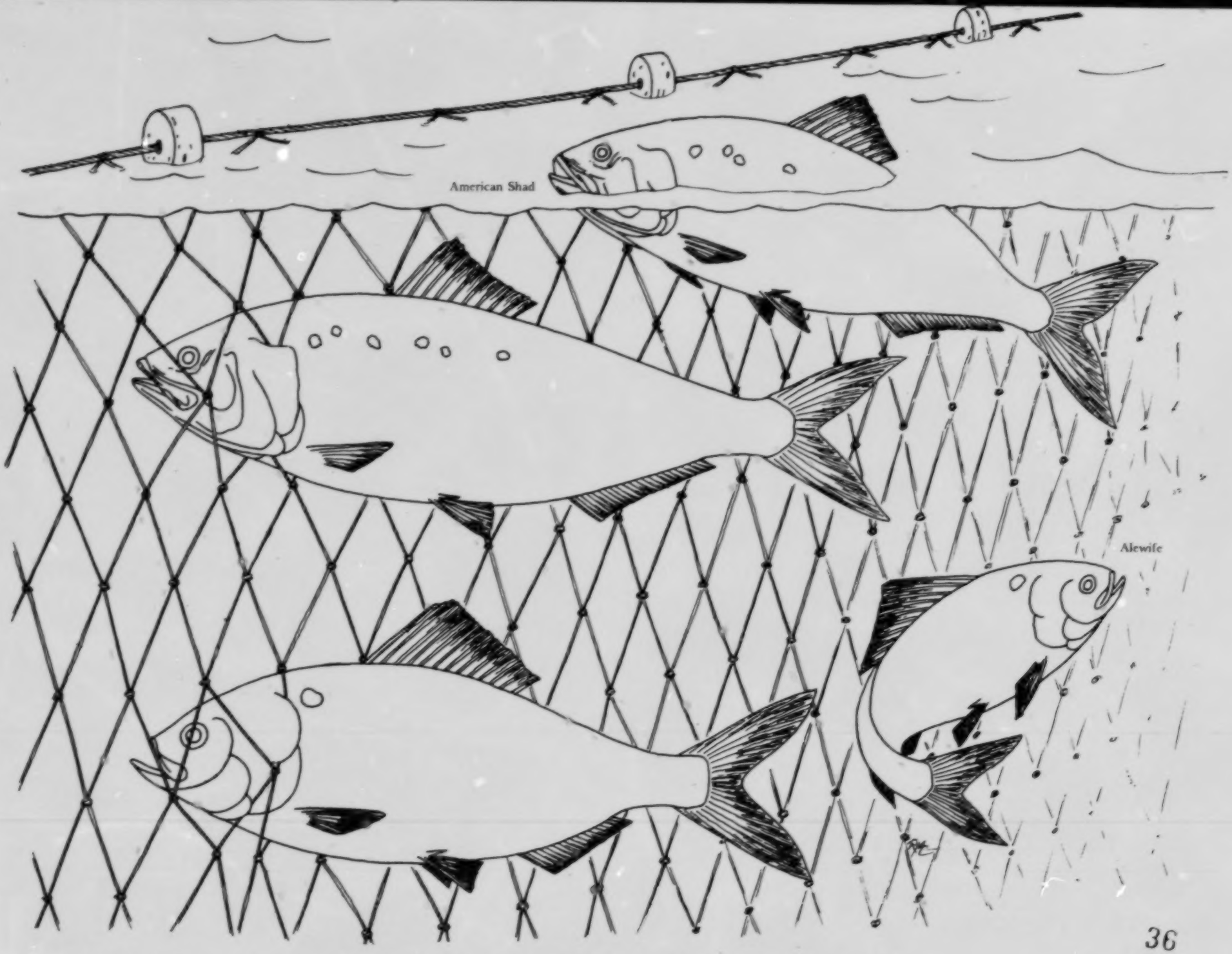
12 Clams are used to make clam chowder and steamed at clambakes. Rock crabs are eaten by people in New England.



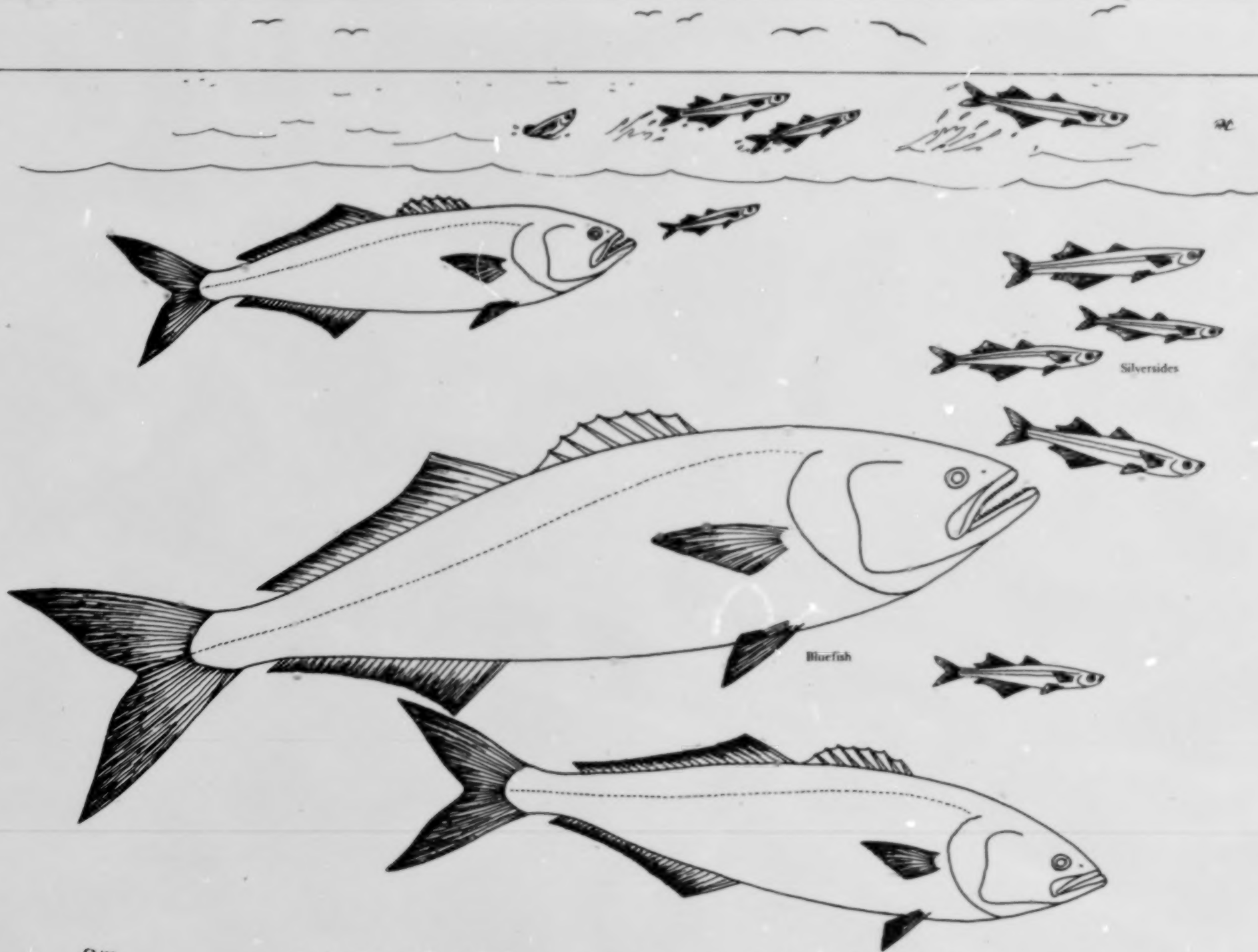
13 Some sharks may grow 60 feet long and weigh 27,000 pounds. Pilot fish accompany sharks in their travels. Remoras cling to sharks and ships by the sucker-like disc on its head.



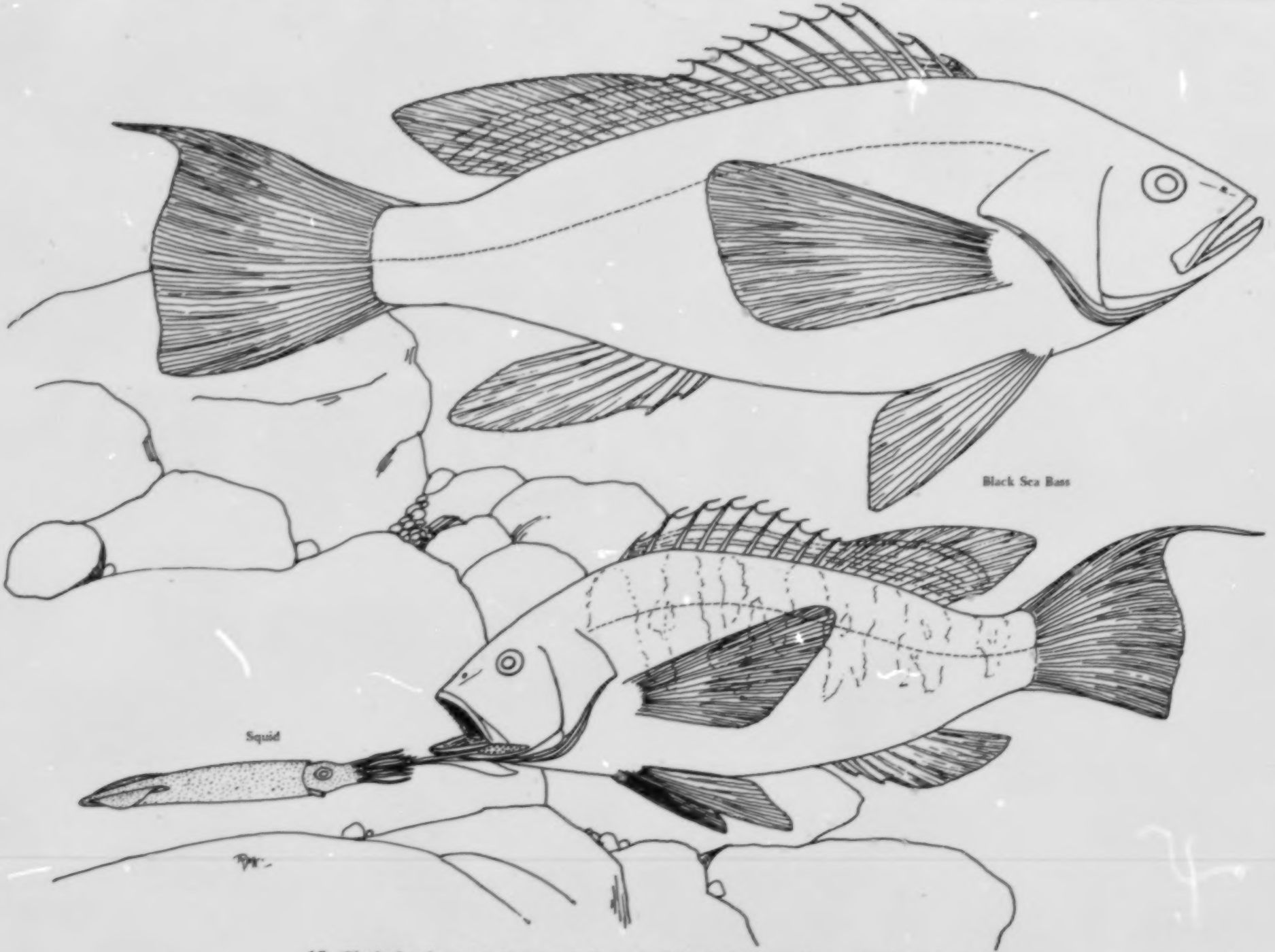
14 Black drums eat shellfish, including oysters and crustaceans. Horseshoe crabs are one of the oldest living animals on earth.



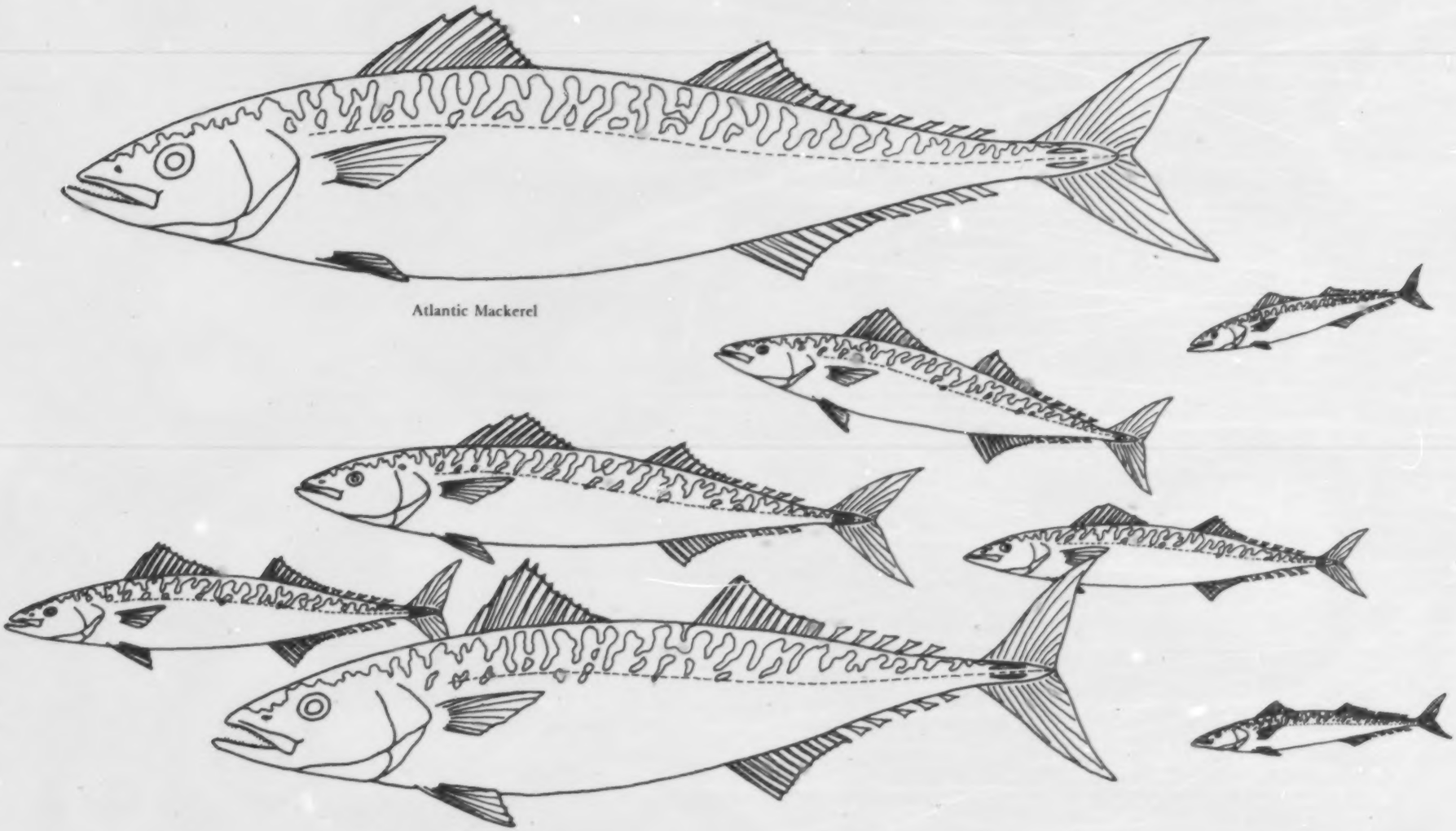
15 Shad and alewife are caught by commercial fishermen in floating gill nets.



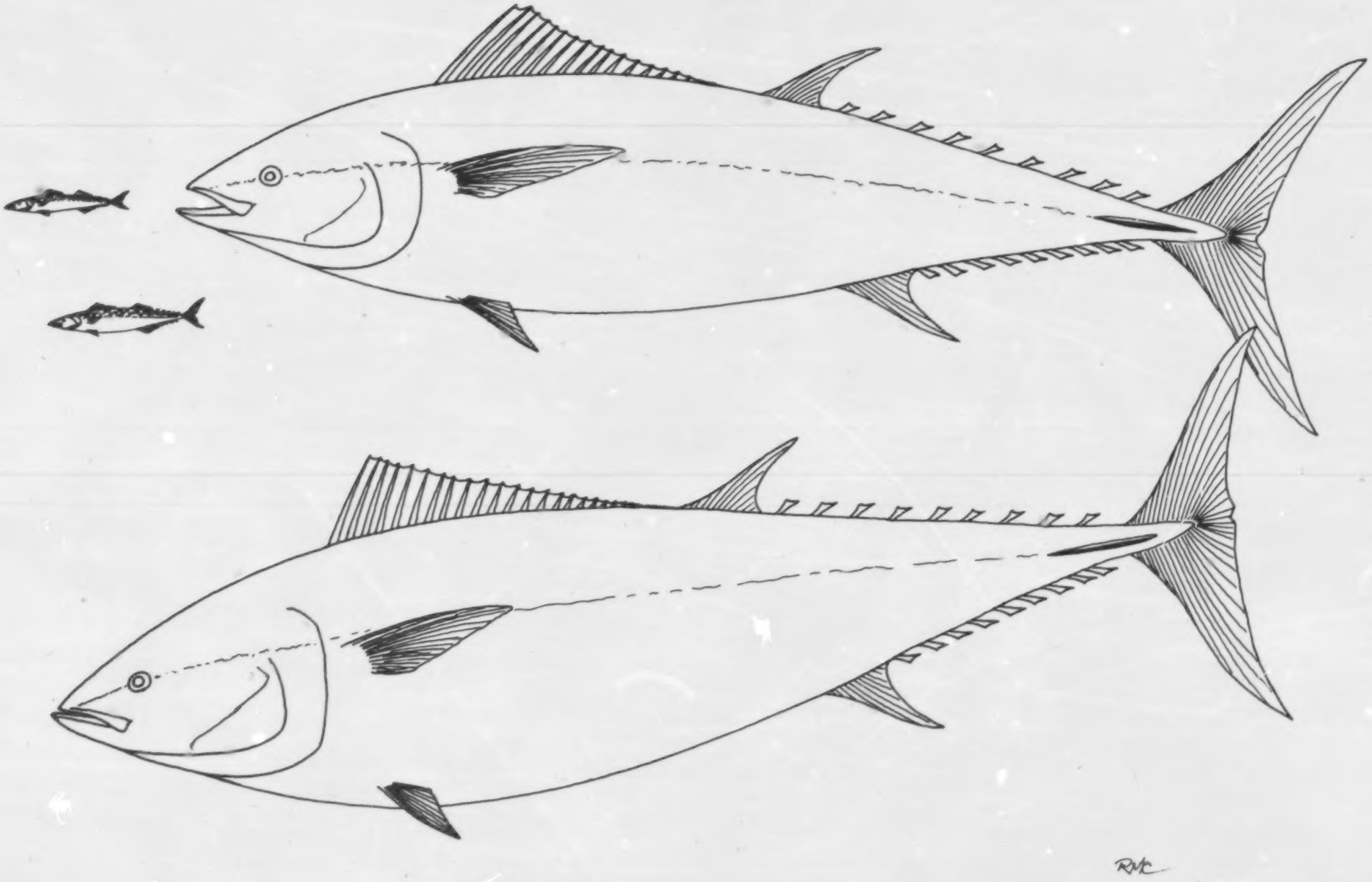
16 **Bluefish are an excellent food and travel in large schools. Crisp fried silversides can be eaten whole.**



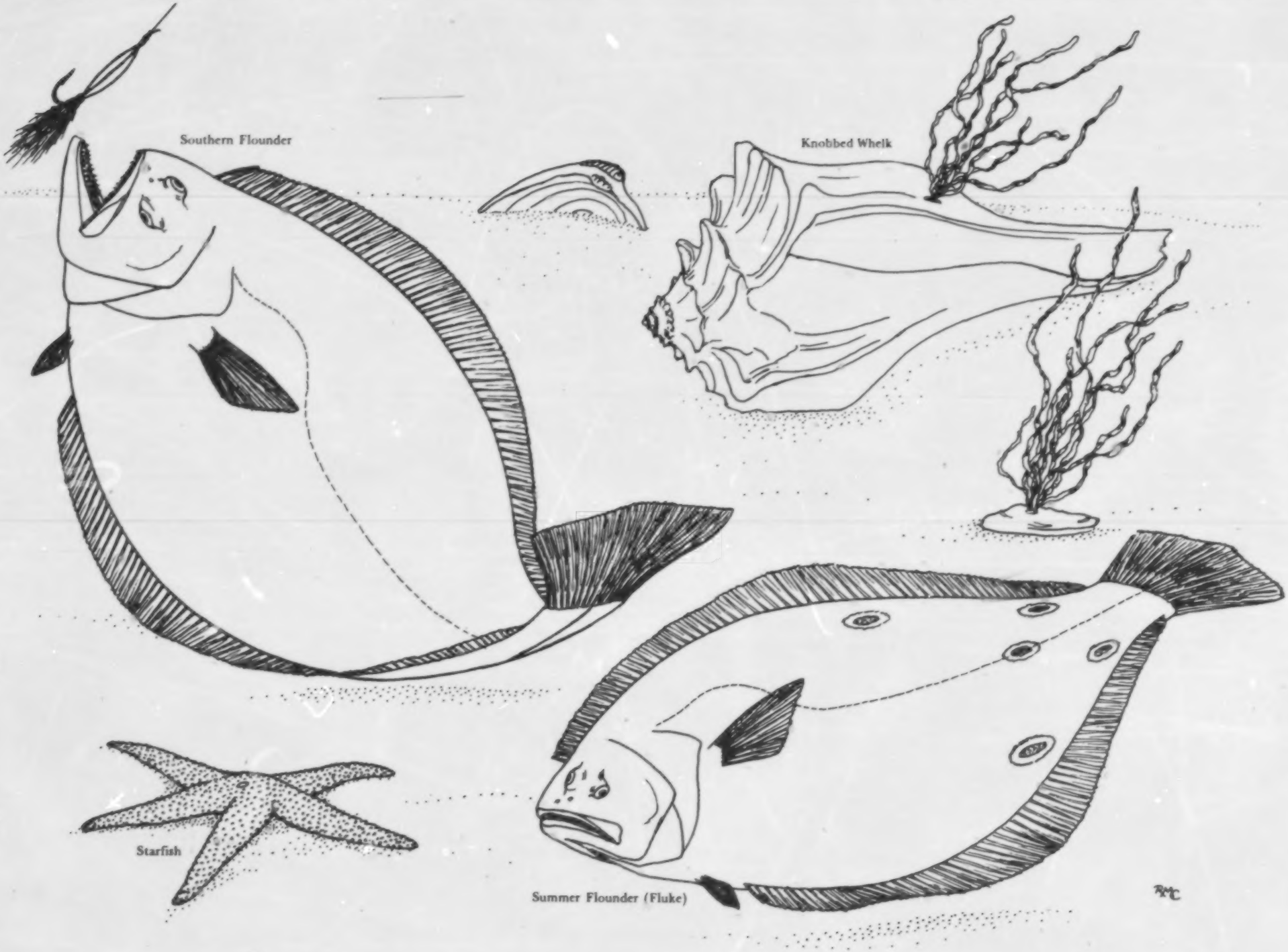
17 Black Sea bass are common inshore on rocky bottoms and near wrecks and wharves. Squid is eaten by some people, and is often used as fishing bait. One species of squid may grow to over 75 feet long.



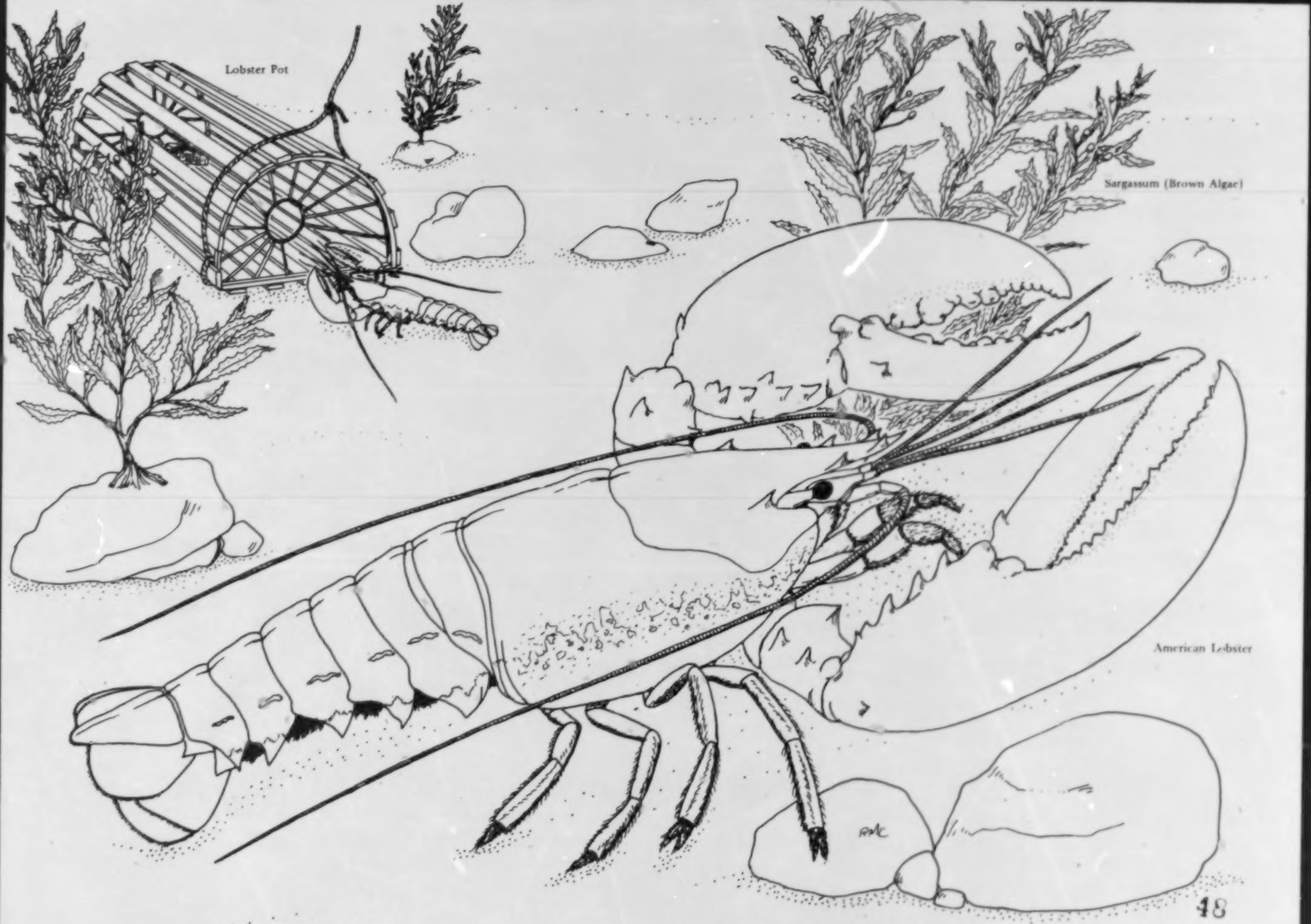
18 Mackerel occur in large schools and are an important commercial and sport fish.



19 Bluefin tuna are said to reach a length of over 14 feet and a weight of 1,600 pounds.



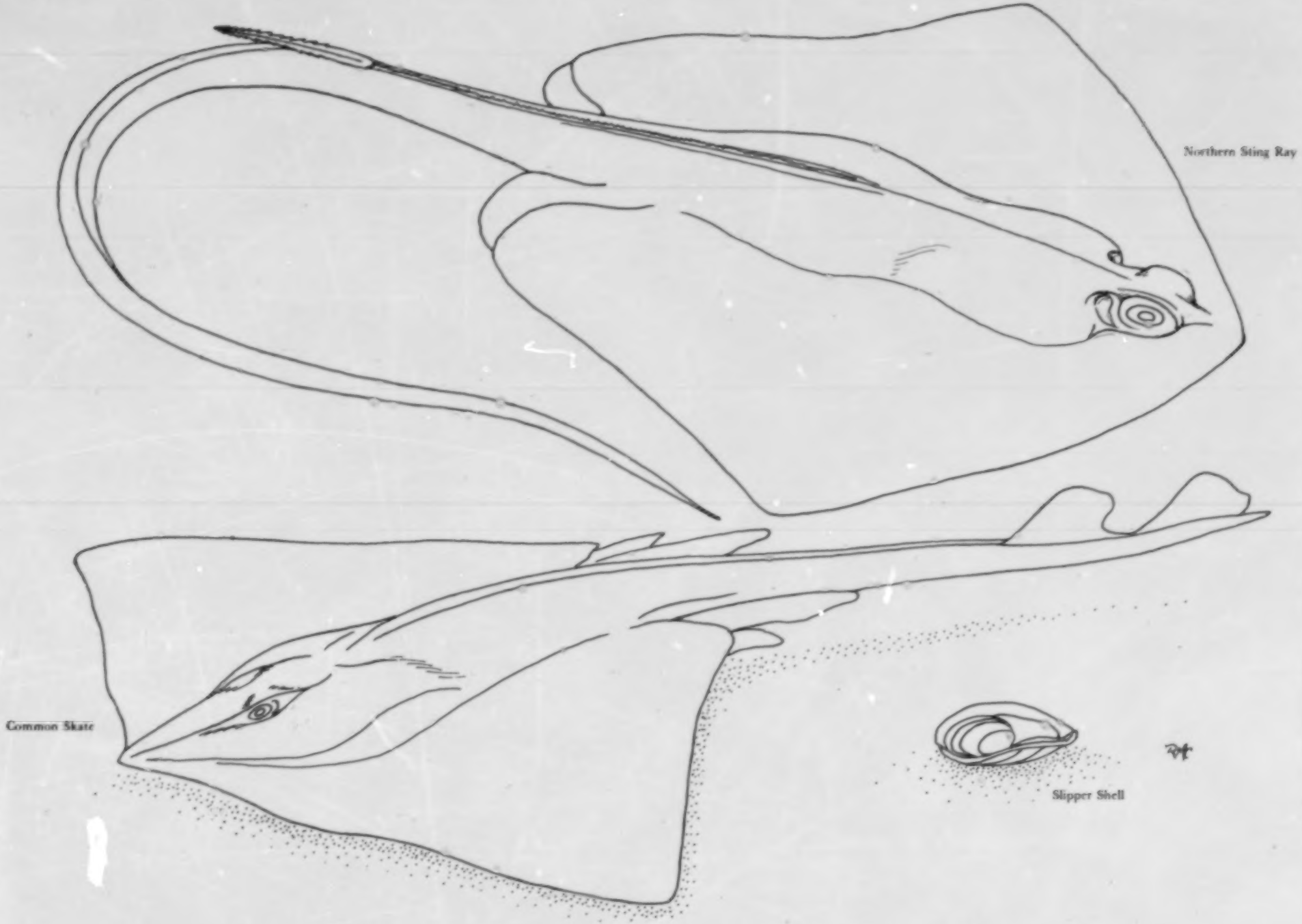
20 Flounder are an important commercial food fish.



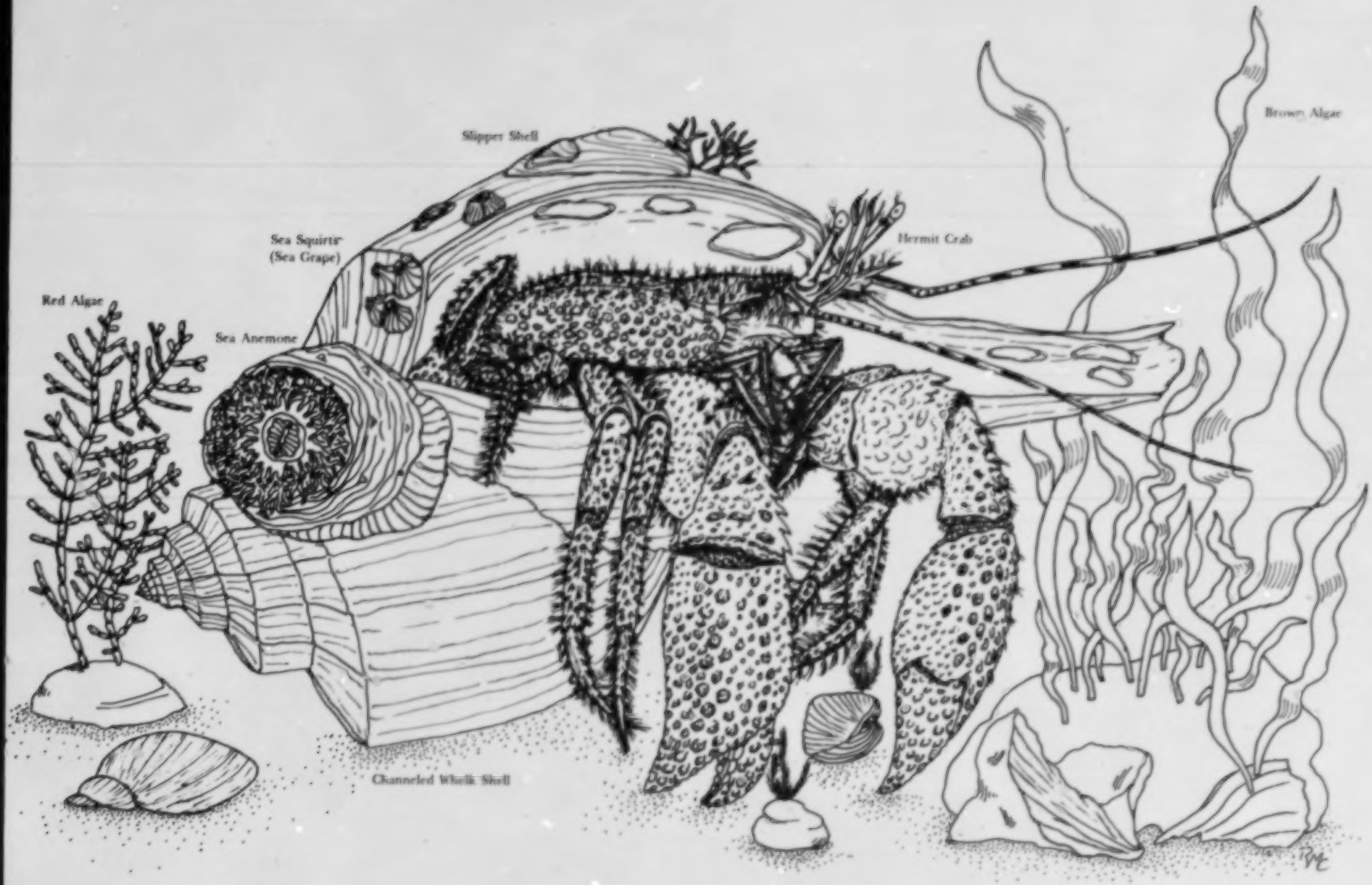
47

21 Lobster are caught in traps or pots from Maine to North Carolina. Large lobster can weigh from 30 to 40 pounds.

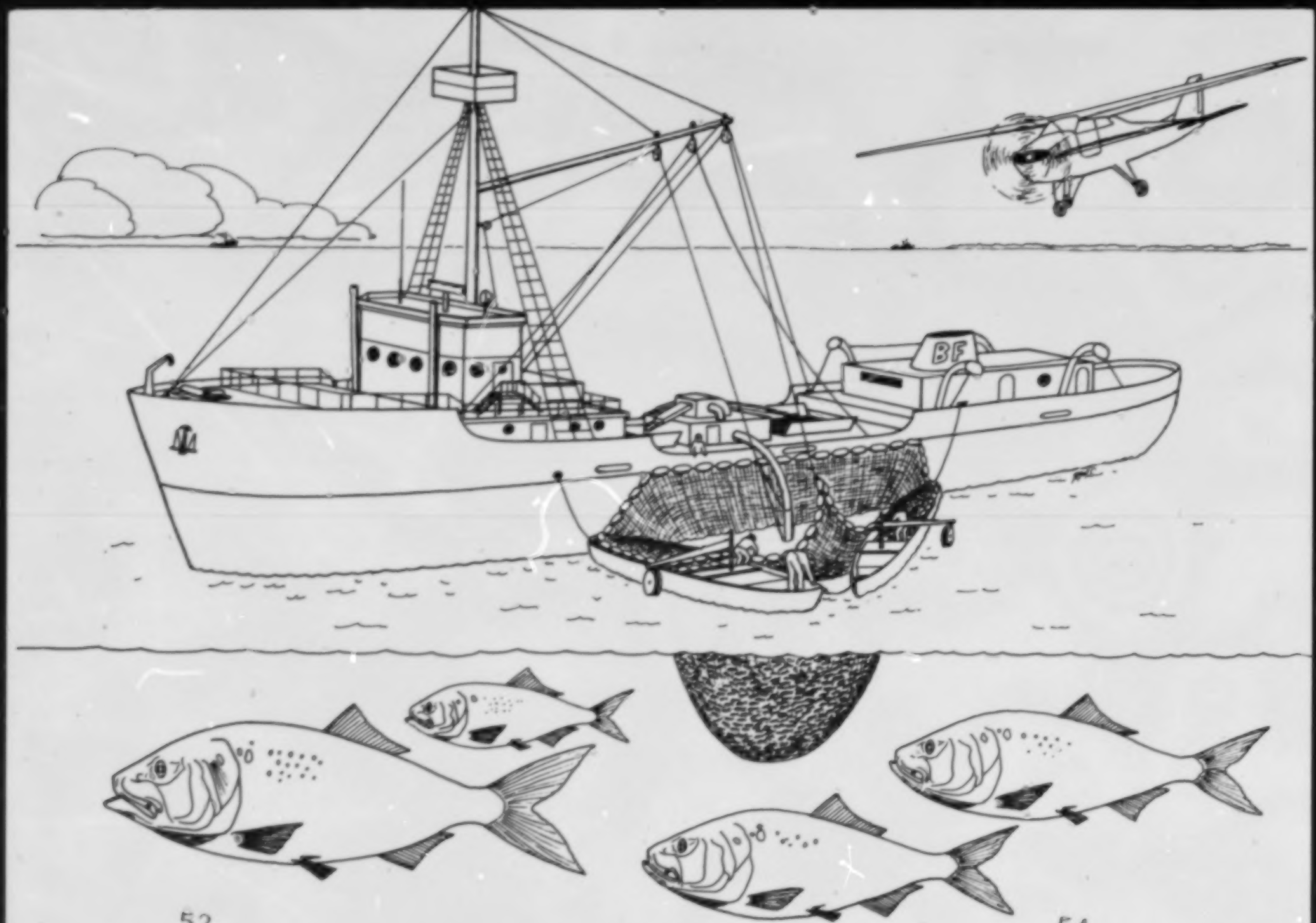
48



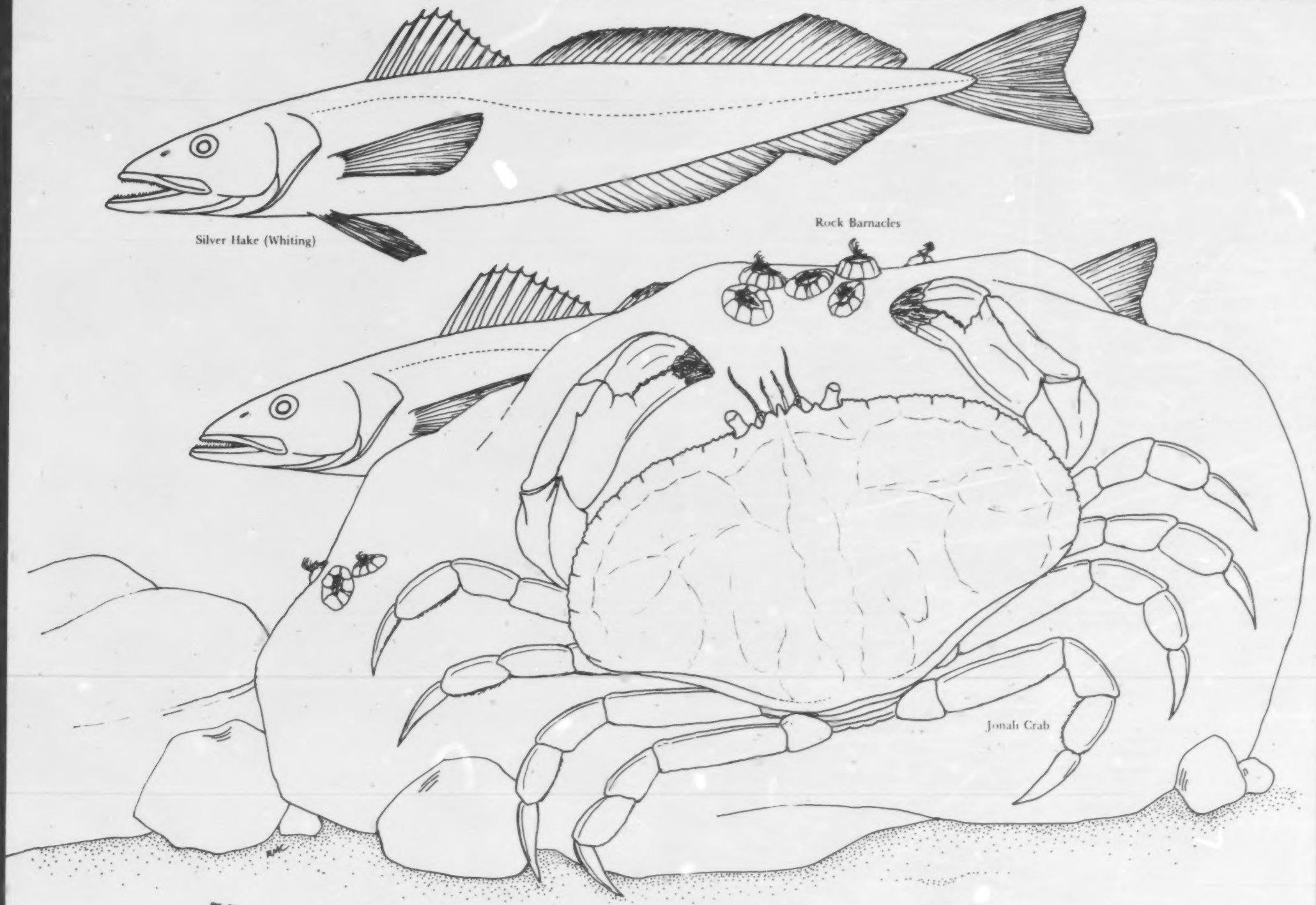
22 Rays are armed with poisonous spines that can be dangerous when accidentally disturbed by swimmers or when captured. Skates do not have the poisonous spines.



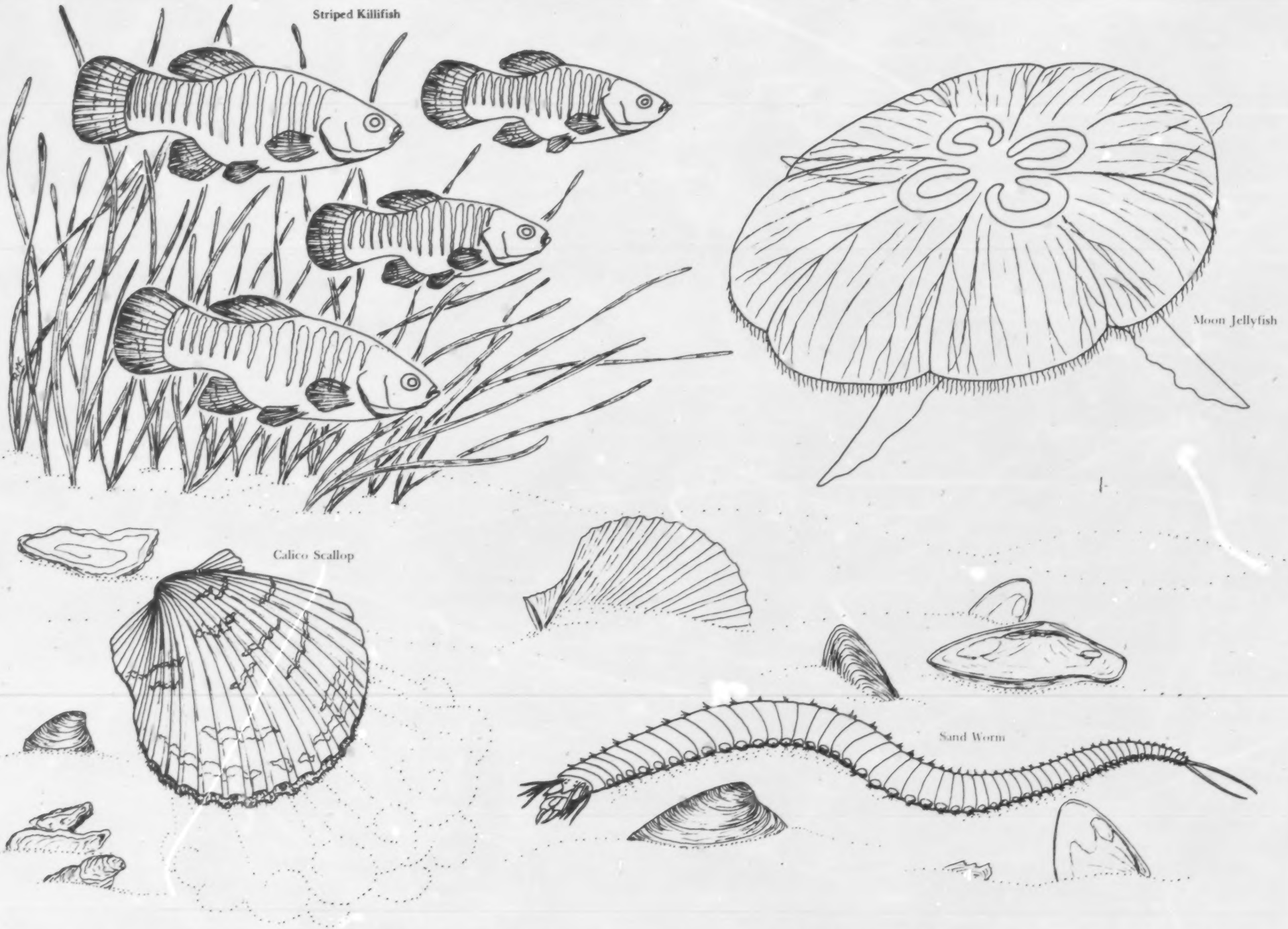
23 The Hermit crab uses a discarded shell for its home. When the crab grows it must find a larger shell.



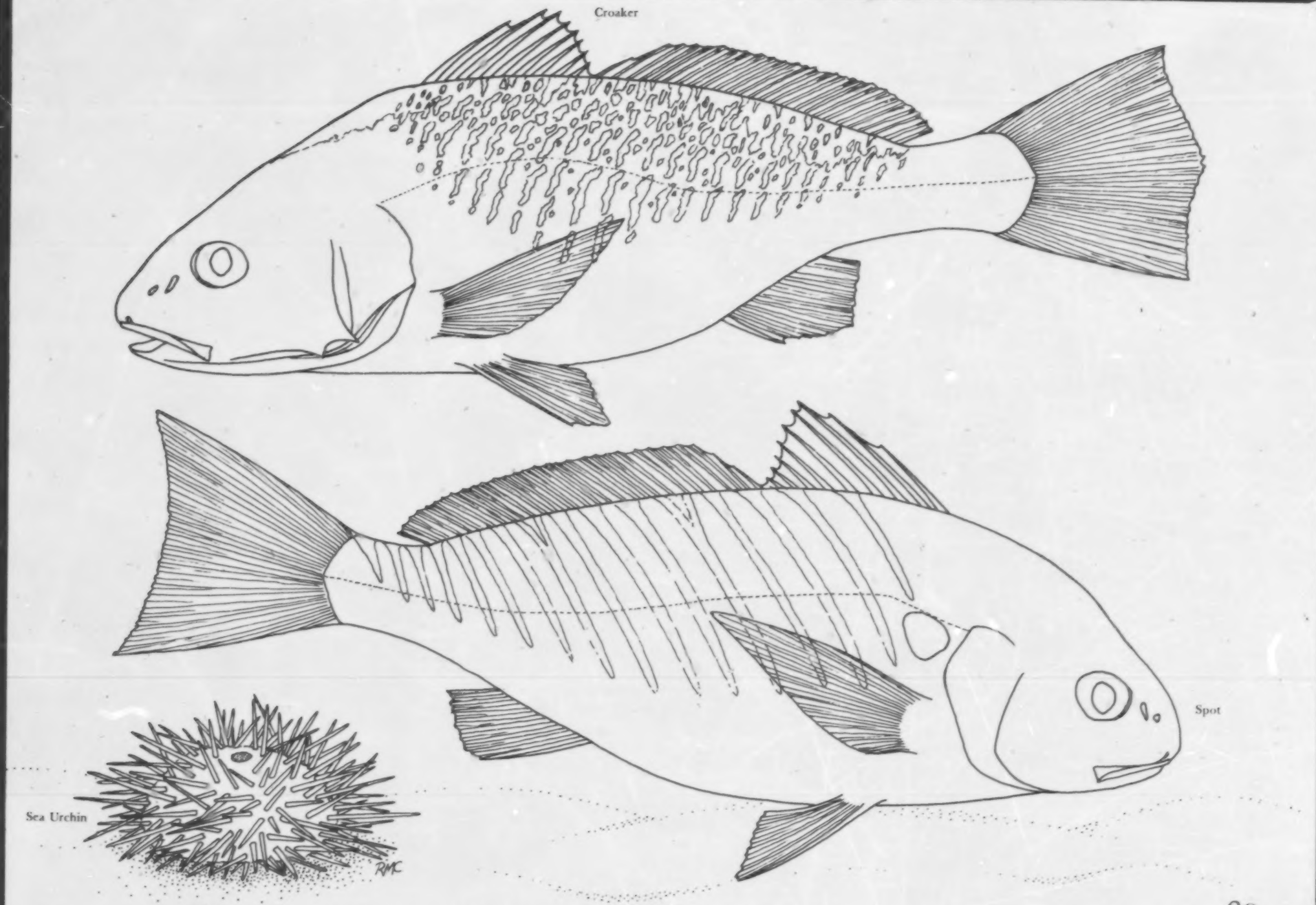
24 Menhaden are caught in purse seins and used for fish meal and oil.



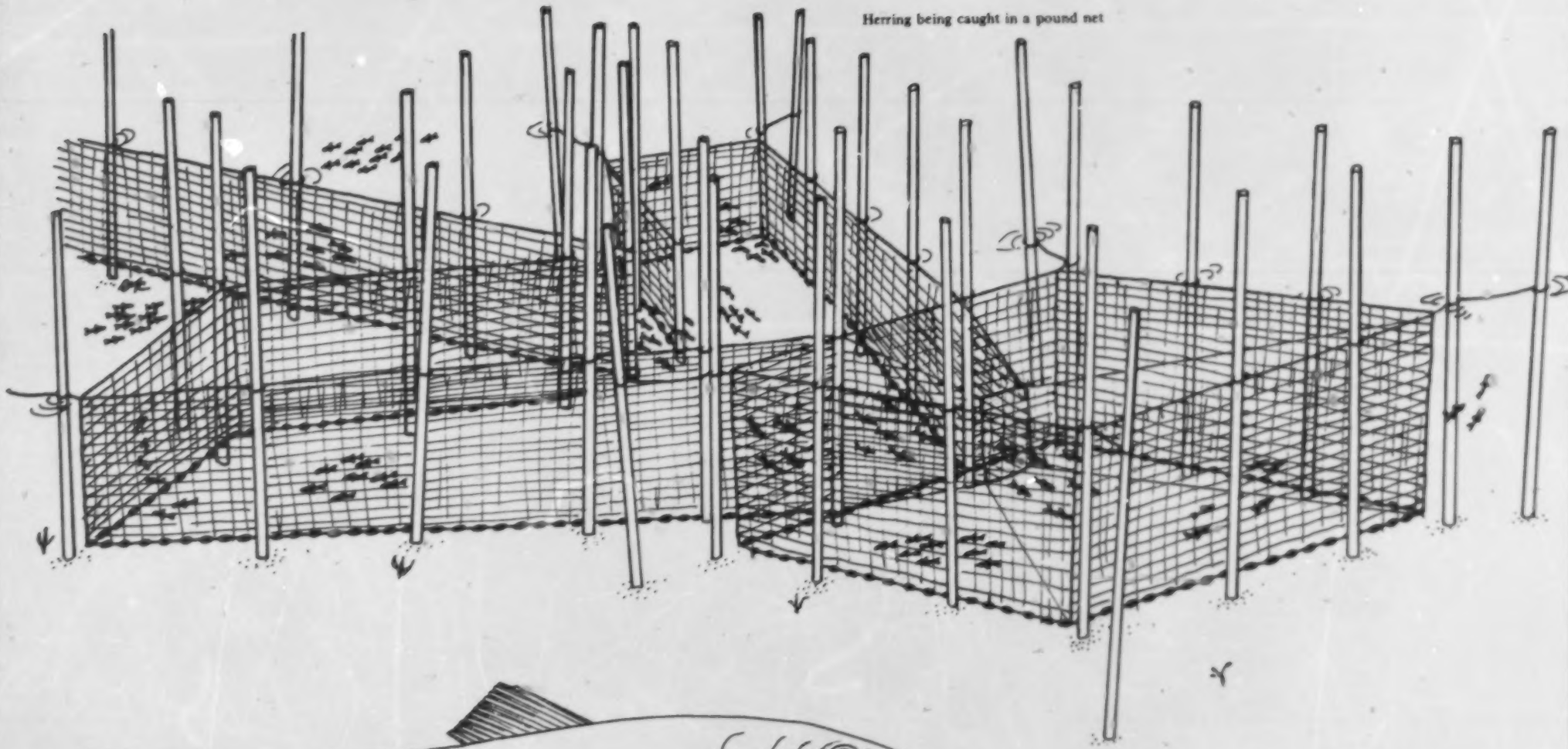
25 Jonah crabs live in deep water and are often caught in lobster pots (traps). Silver hake like cold water and sometimes beach themselves during the winter while chasing smaller fish in the surf.



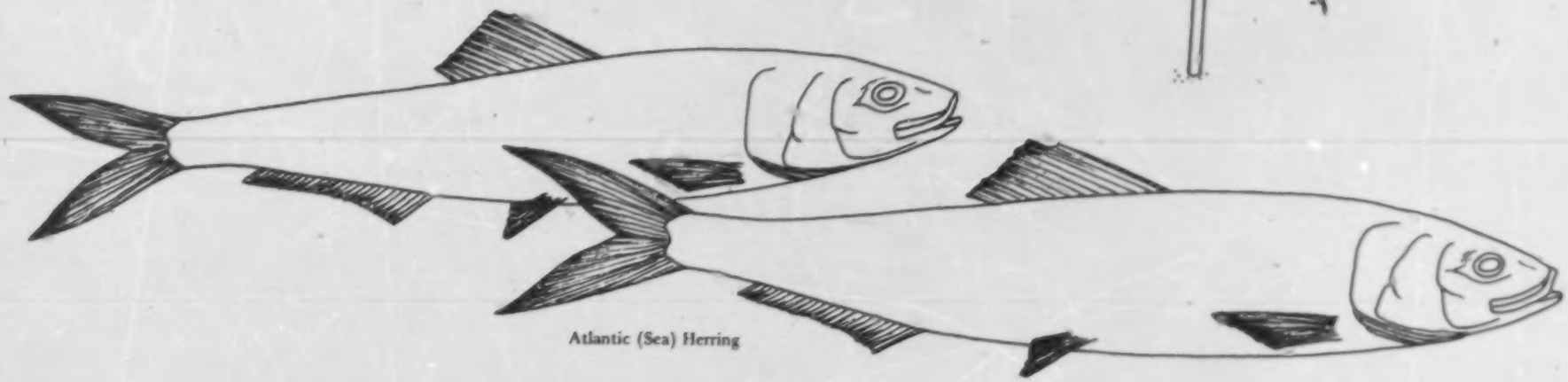
26 Scallops can propel themselves by squirting water from their valves. Killifish and sandworms are used as fishing bait.



27 Croakers are able to produce croaking sounds, hence their name. Spot and croakers are popular with sports fishermen.



Herring being caught in a pound net

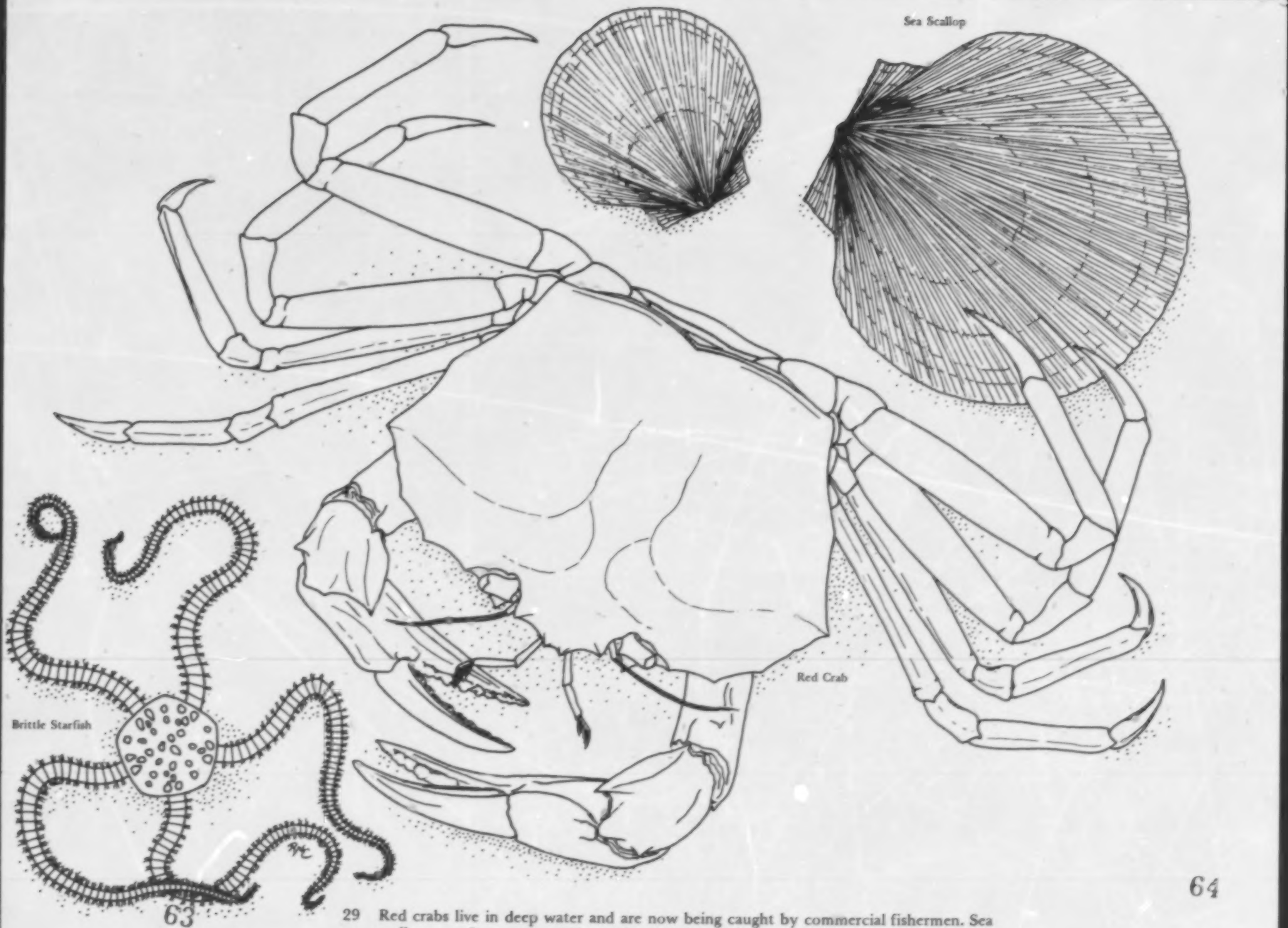


Atlantic (Sea) Herring

61

28 Herring are often caught in pound nets. Many herring are canned as sardines.

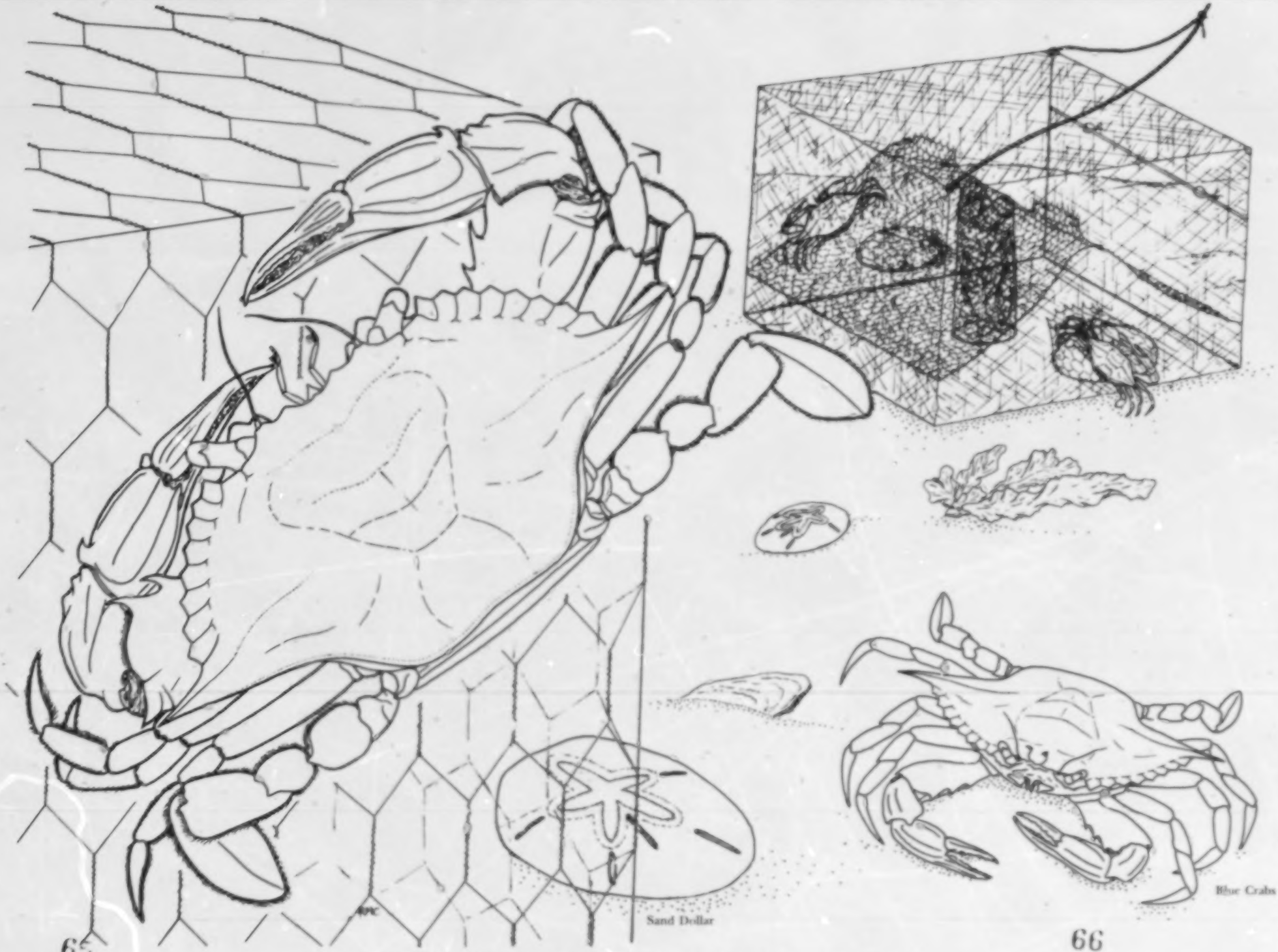
62



63

64

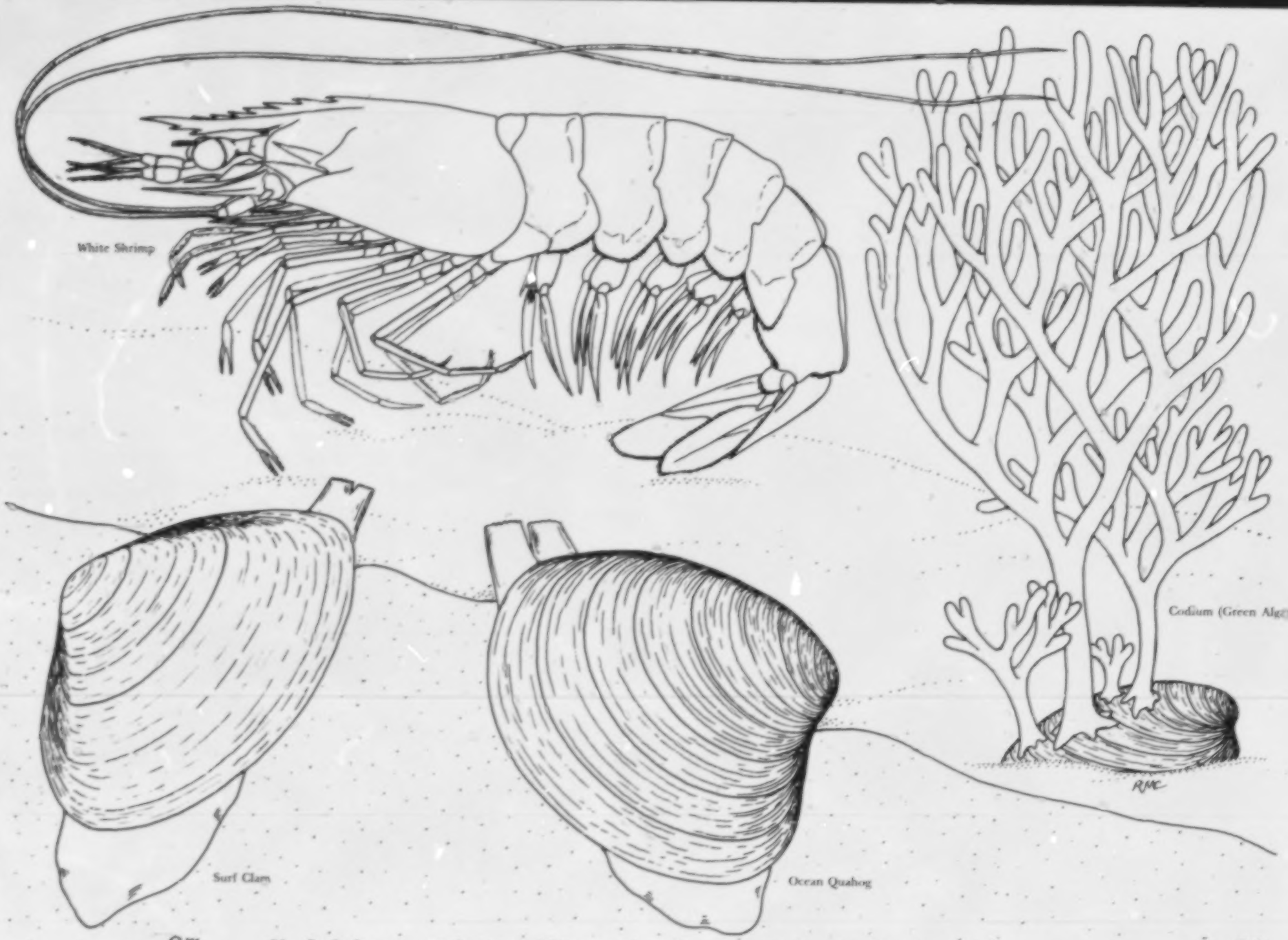
29 Red crabs live in deep water and are now being caught by commercial fishermen. Sea scallops are also commercially caught.



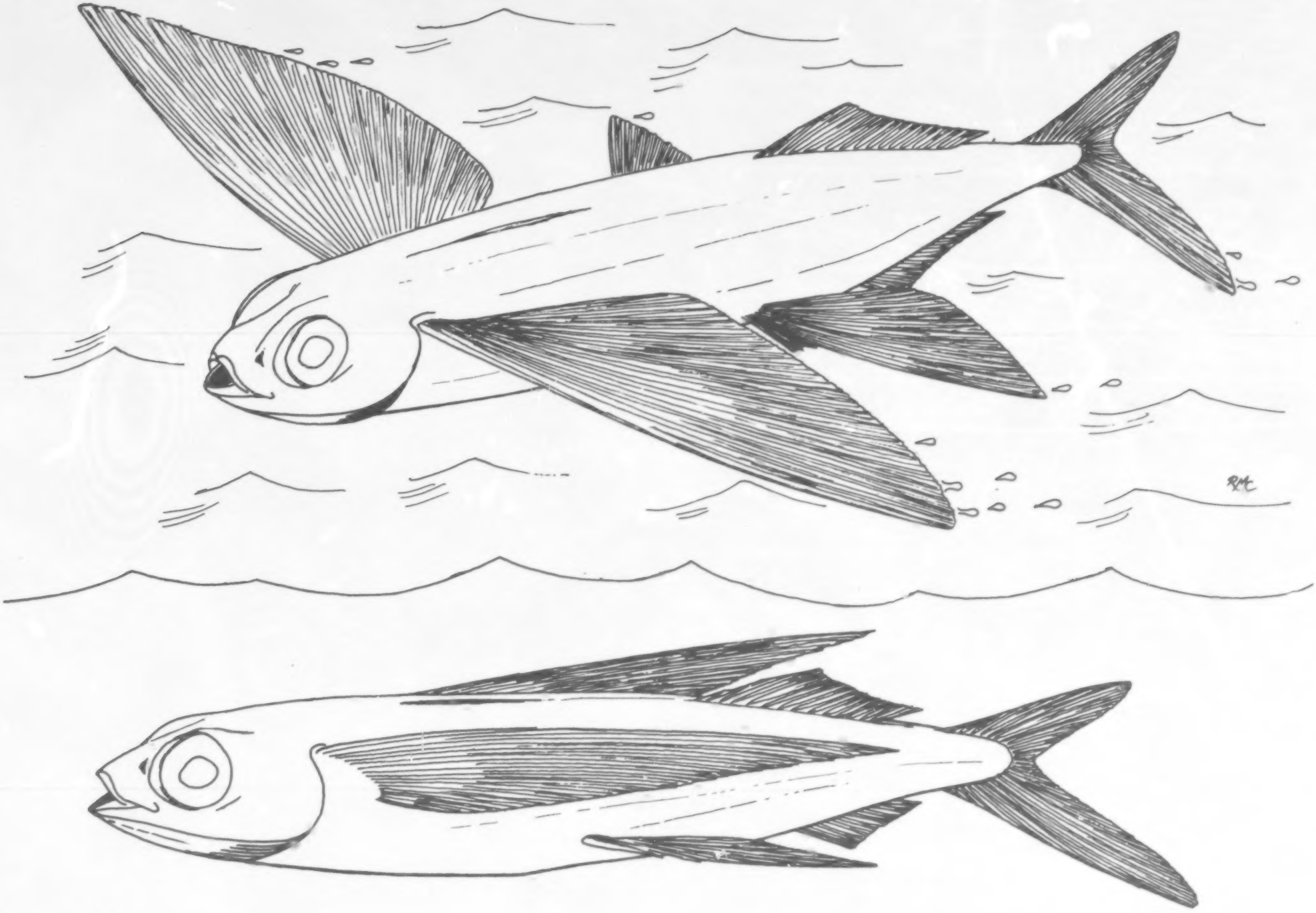
65

66

30 Blue crabs are caught in crab traps or pots when the water is warm.



31 Surf clams are used commercially to produce clam strips and chowder. The white shrimp is a very popular sea food. Codium is a "weed" that spread to our coast from Europe.



32 Flying fish do not really fly, but glide up to 100 yards, held up by air currents.

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2	Gray Sea Trout	Cynoscion regalis
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3	Sea Nettle (Summer jellyfish)	Chrysaora quinquecirrha
3	Blue Mussel	Mytilus edulis
	Fucus (Brown algae)	Fucus vesiculosus
4	Red Algae	Gracilaria foliifera
4	Scup (Porgy)	Stenotomus chrysops
4	Winter Flounder (Blackback)	Pseudopleuronectes americanus
4	Red Algae	Grinnellia americana
5	Sea Catfish	Arius felis
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8	Albacore	Thunnus alalunga
8	Broad Bill Swordfish	Xiphias gladius
9	Northern Puffer	Sphaeroides maculatus
9	Sea Lettuce	Ulva lactuca
9	American Eel	Anguilla rostrata
10	Sea Mullet (Kingfish)	Menticirrhus saxatilis
10	Red Drum (Channel Bass)	Sciaenops ocellata
11	Oyster	Crassostrea virginica
11	Starfish	Asterias forbesi
11	Oyster Drill	Urosalpinx cinerea
11	Bay Scallop	Aequipecten irradians
12	Rock Crab	Cancer irroratus
12	Quahog (Hard) Clam	Mercenaria mercenaria
12	Razor (Jack Knife) Clam	Ensis directus
12	Soft-Shell Clam	Mya arenaria

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13	Pilot Fish	Naucrates ductor
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13	Hammerhead Shark	Sphyrna zygaena
13	Mako Shark	Isurus oxyrinchus
13	Remora	Echeneis naucrates
14	Black Drum	Pogonias cromis
14	Horseshoe Crab	Limulus polyphemus
15	American Shad	Alosa sapidissima
15	Alewife	Alosa pseudoharengus
16	Bluefish	Pomatomus saltatrix
16	Silversides	Menidia beryllina
17	Black Sea Bass	Centropristis striata
17	Squid	Loligo pealei
18	Atlantic Mackerel	Scomber scombrus
19	Bluefin Tuna	Thunnus thynnus
20	Southern Flounder	Paralichthys lethostigma
20	Knobbed Whelk	Busycon carica
20	Summer Flounder (Fluke)	Paralichthys dentatus
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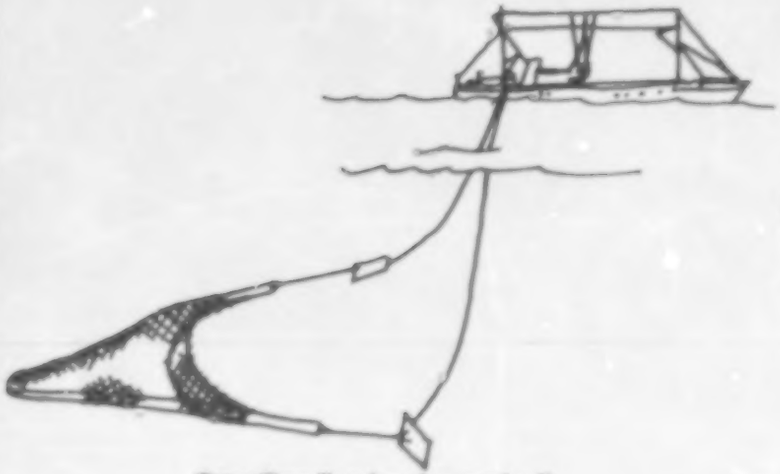
22	Common Skate	Raja erinacea
22	Slipper Shell	Crepidula fornicata
23	Sea Squirt (Sea Grape)	Molgula manhattensis
23	Sea Anemone	Actinauge rugosa
23	Red Algae	Corallina officinalis
23	Channeled Whelk Shell	Busycon canaliculata
23	Slipper Shell	Crepidula fornicata
23	Hermit Crab	Pagurus pollicaris
23	Brown Algae	Petalonia fascia

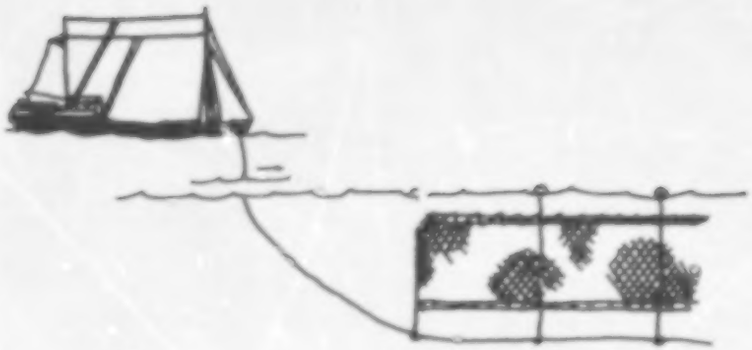
Page	Common Name	Scientific Name
24	Menhaden	Brevoortia tyrannus
25	Jonah Crab	Cancer borealis
25	Silver Hake (Whiting)	Merluccius bilinearis
25	Rock Barnacles	Balanus eburneus
26	Calico Scallop	Aequipecten gibbus
26	Sand Worm	Nereis pelagica
26	Striped Killifish	Fundulus majalis
26	Moon Jellyfish	Aurelia aurita
27	Croaker	Micropogon undulatus
27	Spot	Leiostomus xanthurus
27	Sea Urchin	Arbacia punctulata
28	Atlantic (Sea) Herring	Clupea harengus
29	Red Crab	Geryon quinquedens
29	Sea Scallop	Placopecten magellanicus
29	Brittle Starfish	Ophioscolex purpureus
30	Blue Crabs	Callinectes sapidus
30	Sand Dollar	Mellita testudinata
31	Surf Clam	Spisula solidissima
31	Ocean Quahog	Arctica islandica
31	White Shrimp	Penaeus setiferus
31	Codium (Green Algae)	Codium fragile
32	Flying Fish	Cypselurus heterurus

Fish Catching Methods

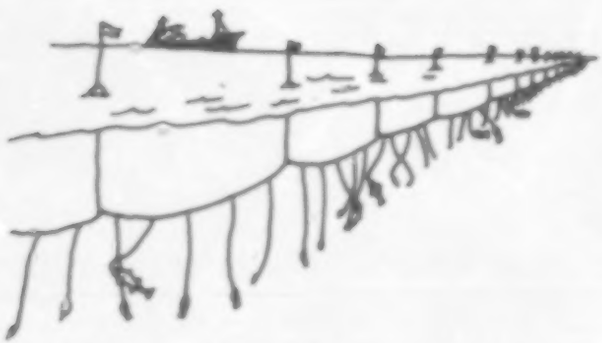


Otter Trawling (towing method)
This method is used for catching most species of fish and shrimp.

Purse Seine (encircling method)



Drift or Gillnetting (static method)



Long Lining (static method)
A longline can be several miles in length.

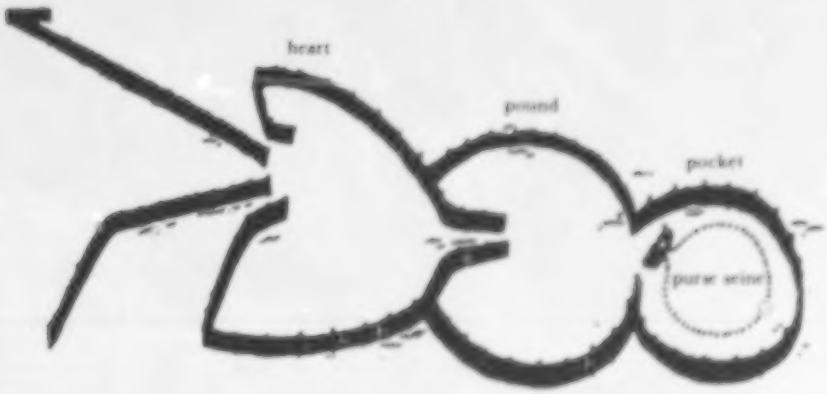
Fishing Pots

(static method)

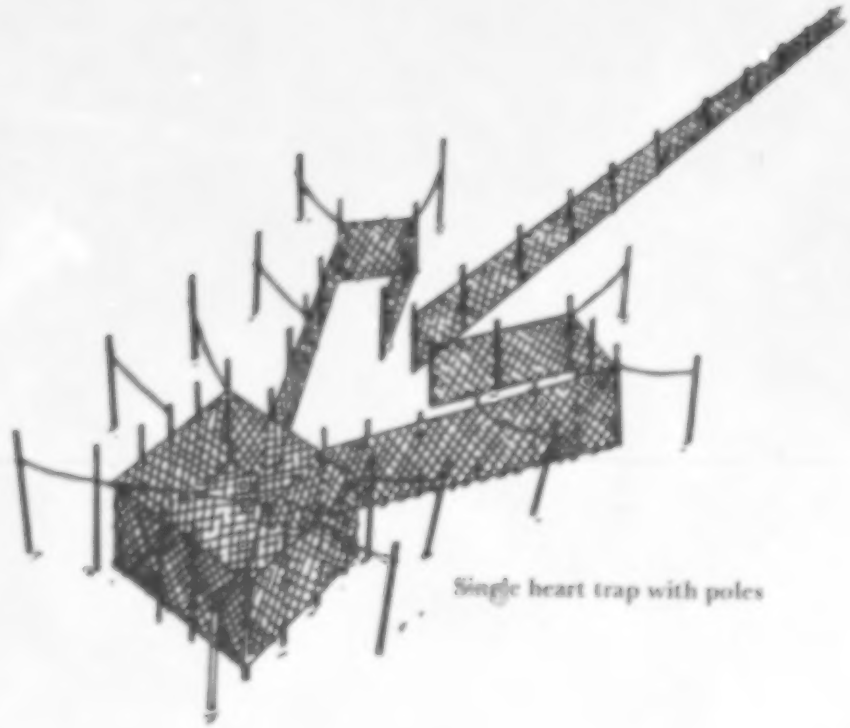
Atlantic Hard Crab Pot

Atlantic Coast Lobster Pot

Traps Fish traps are used in shallow water and close to shore.

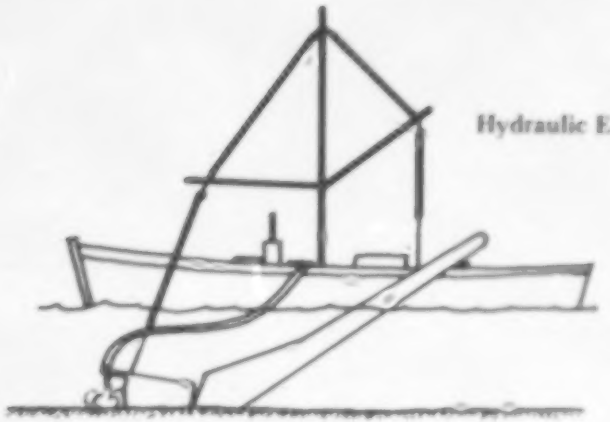


Sardine Weir

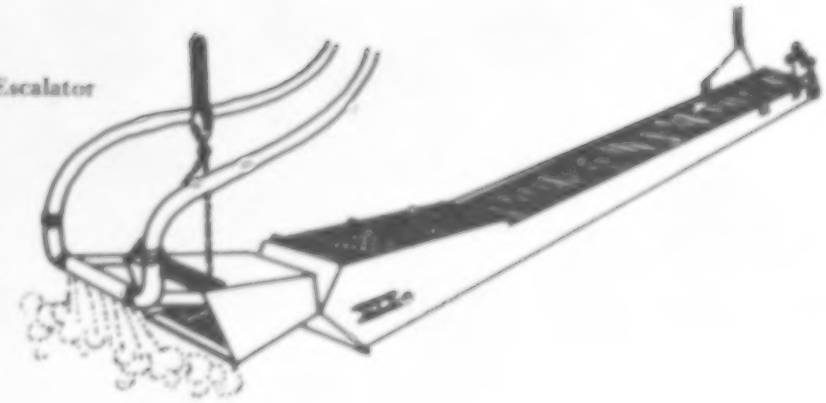


Single heart trap with poles

Shellfish Harvesting



Hydraulic Escalator



The hydraulic escalator rinses the mussels and transports them on board.

Tongs and rakes are used to gather shellfish by hand.